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CURRENT PREVALENCE OF COMMUNICABLE DISEASES IN THE UNITED STATES ¹

November 5–December 2, 1933

The prevalence of certain important communicable diseases, as indicated by weekly telegraphic reports from State health departments to the United States Public Health Service, is summarized in this report. The underlying statistical data are published weekly in the PUBLIC HEALTH REPORTS, under the section entitled "Prevalence of Disease."

Poliomyelitis.—Further decline in the incidence of poliomyelitis continued through the month of November. For the current 4-week period 268 cases were reported, as compared with 602 for the preceding 4-week period. In the New England and Middle Atlantic States, where the disease first appeared in epidemiclike form, the number of cases dropped from 262 for the 4 weeks ended November 4 to 94 for the current period; in the East North Central States the number dropped from 140 to 39; and in the West North Central from 98 to 29. The South Central and Mountain areas reported a slight increase and the Pacific area a decrease as compared with the preceding period. No increases above the normal seasonal expectancy have been reported this year from these areas.

The number of cases for the current period (268) was still high as compared with the normal years of 1932 and 1929 (approximately 1.4 times those years), but it was only about 42 percent of the number in 1931 and 30 percent of that in 1930—both epidemic years. The South Central areas reported practically the same incidence as last year, but all other areas reported increases ranging from 18 percent in the East North Central States to 93 percent in the West North Central area.

¹ From the Office of Statistical Investigations, U.S. Public Health Service. The numbers of States included for the various diseases are as follows: Typhoid fever, 48; poliomyelitis, 48; meningococcus meningitis, 48; smallpox, 48; measles, 47; diphtheria, 48; scarlet fever, 48; influenza, 38 States and New York City. The District of Columbia is counted as a State in these reports. These summaries include only the 8 important communicable diseases for which the Public Health Service receives weekly telegraphic reports from the State health officers.

Influenza.—During the current 4-week period 4,429 cases of influenza were reported. This number was only about 18 percent of that reported (24,673) for the corresponding period last year, when a sharp rise marked the appearance of an epidemiclike wave of influenza in the Mountain and Pacific and South Central areas. For this period in 1931, 1930, and 1929 the numbers of cases were 3,593, 4,009, and 4,927, respectively. The influenza situation is very favorable in all sections of the country, no section reporting more than the normal seasonal increase and none exceeding the incidence for the corresponding period of last year.

Smallpox.—For the 4 weeks ended December 2 there were 408 cases of smallpox reported. The current incidence approached very closely that of the corresponding period last year, when 430 cases were reported. For this period in 1931, 1930, and 1929 the numbers of cases were 1,124, 1,467, and 3,717, respectively. In the various geographic areas the New England and Middle Atlantic still remained free from the disease, while the East North Central and West North Central areas each reported a 25 percent decrease from last year's figure for this period; the South Atlantic States reported 9 cases as compared with 5 last year, and in the South Central areas the incidence was approximately the same as last year; the Mountain area reported 20 for the current period as against 68 last year, and the Pacific States reported 28 as against 61.

Diphtheria.—The number of cases of diphtheria dropped from 8,302 for the preceding 4-week period to 7,442 for the current period, which might indicate that the peak for the current year was passed during that period (Oct. 8–Nov. 4). In each of the 2 preceding years the peak was reached during the 4 weeks corresponding to that period, while in the years 1930 and 1929 the peak was reached during the period corresponding to the current 4 weeks.

The current incidence was 1.1 times that for the corresponding period last year, but was only about 80 percent of the incidence in 1931. For this period in 1930 and 1929 the numbers of cases totaled 7,031 and 9,405, respectively. The South Atlantic and South Central areas seemed mostly responsible for the increase over last year. In each of those areas the incidence was approximately 1.4 times that of last year. In all other areas the disease was less prevalent than during this period last year.

Measles.—The usual seasonal increase of measles continued through the current 4-week period. The number of cases (10,567) was about 23 percent in excess of that for the corresponding period last year. In fact, for the entire reporting area the incidence was the highest for the 5 years for which data are available. A comparison of geographic areas shows that the situation in the South Atlantic, South

Central, and Mountain and Pacific areas was similar to that described for the country as a whole, while in the East North Central area the incidence was the lowest in the 5 years. The number of cases reported from the New England and Middle Atlantic areas was approximately the same as for last year, and the West North Central States reported 1,084 cases for the current period as against 707 and 461 for the years 1932 and 1931, respectively.

Scarlet fever.—The number of cases of scarlet fever (17,713) reported for the 4 weeks ended December 2 was the highest for this period in the 5 years for which data are available. All areas except the New England and Middle Atlantic and the East North Central contributed to the increase over last year. In those areas the disease was slightly less prevalent than at this time a year ago. For the corresponding period in the years 1932, 1931, and 1930 the numbers of cases were 16,938, 15,281, and 14,240, respectively.

Meningococcus meningitis.—For the current 4-week period 157 cases of meningococcus meningitis were reported—the lowest incidence for this period in the 5 years for which data are available. The South Atlantic States reported 27 cases, 1.8 times the number reported for the same period last year, and the West North Central area approximated last year's incidence; all other areas reported decreases ranging from 13 percent in the South Central groups to 65 percent in the Mountain and Pacific areas.

Typhoid fever.—The incidence of typhoid fever dropped approximately 1,000 cases during the 4 weeks ended December 2 as compared with the preceding 4 weeks. The number of cases (1,376) was 20 percent higher than that reported for the corresponding period last year, but only about 70 percent of the figure for 1931. For this period in 1930 and 1929 the numbers of cases totaled 2,234 and 1,496, respectively. The disease appeared to be most prevalent this year in the West North Central, South Central, and Mountain and Pacific areas. In each of those areas the number of cases reported for the current period was approximately 1.6 times that for the corresponding period last year. In other areas the disease was less prevalent than last year.

Mortality, all causes.—Deaths from all causes in large cities (as reported by the Bureau of the Census) for the 4 weeks ended December 2, was 11.2 per thousand population (annual basis). This rate was practically the same as the rates for the corresponding period in 1932 and 1931. In the first half of 1933 the death rate was very low in relation to recent years, but for the last several 4-week periods it has approximated the level of 1932 and 1931.

STATE AND INSULAR HEALTH AUTHORITIES, 1933

DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS

Directories of the State and insular health authorities of the United States for each year from 1912 to 1931 have been published in the Public Health Reports¹ for the information of health officers and others interested in public-health activities. The present directory (1933), like those formerly issued, has been compiled from information furnished by the respective State and insular health officers, and includes data as to appropriations and publications.

Where an officer has been reported to be a "whole-time" health officer, that fact is indicated by an asterisk (*). For this purpose a "whole-time" health officer is defined as "one who does not engage in the practice of medicine or in any other business, but devotes all of his time to official duties."

ALABAMA

Board of censors of the medical association of the State of Alabama, acting as a State committee of public health:

B. M. Miller, governor, ex officio chairman, Montgomery
W. D. Partlow, M.D., chairman, Tuscaloosa
R. S. Hill, M.D., Montgomery
Fred W. Wilkerson, M.D., Montgomery
D. T. McCall, M.D., Mobile
M. S. Davie, M.D., Dothan
J. S. McLester, M.D., Birmingham
M. Y. Dabney, M.D., Birmingham
E. V. Caldwell, M.D., Huntsville
S. A. Gordon, M.D., Marion
C. A. Thigpen, M.D., Montgomery

Executive health officer:

*J. N. Baker, M.D., State health officer, Montgomery

Administrative assistant:

*D. L. Cannon, M.D., Montgomery

Secretary to State health officer:

*Bessie A. Tucker, Montgomery

Financial secretary:

*Adna Eley Alldredge, Montgomery

Registrar of vital statistics:

*W. T. Fales, Montgomery

*Ethel Hawley, chief clerk, Montgomery

Laboratories of the State board of health:

General director:

*James G. McAlpine, Ph.D., Montgomery

Anniston branch:

*Ellen Howell, Anniston

Birmingham branch:

*George A. Denison, M.D., Birmingham

Mobile branch:

*C. H. Waite, Mobile

Tennessee Valley:

*C. C. Johnson, Decatur

Tuscaloosa branch:

*Cannie Campbell, Tuscaloosa

Selma branch:

*Cooper Brougher, Selma

Dothan branch:

*Nellie K. Whitfield, Dothan

Huntsville branch:

*Mrs. Buford Gatlin, Huntsville

Sanitation:

Director:

*G. H. Hazlehurst, C.E., M.C.E., Montgomery

Assistant engineers:

*H. G. Menke, B.C.E., Montgomery

*C. C. Kiker, B.C.E., Montgomery

*T. H. Millford, Montgomery.

ALABAMA—Continued

Sanitation—Continued.

Division of inspection:

*C. A. Abele, Ch.E., director, Montgomery

*H. J. Thrasher, assistant director, Huntsville

*F. D. Downs, dairy inspector, Montgomery

Communicable disease control:

*D. G. Gill, M.D., D.P.H., director, Montgomery

*W. E. Wilson, M.D., C.P.H., assistant director, Montgomery

*R. A. Brown, M.D., Montgomery

*Myrtle Martin, R.N., Montgomery

County organization:

*B. F. Austin, M.D., director, Montgomery

Public health nursing:

*Jessie L. Marriner, R.N., director, Montgomery

*Frances C. Montgomery, R.N., Montgomery

*Margaret Murphy, R.N., Montgomery

*Catherine Corley, R.N., Montgomery

Appropriation for fiscal year ending Sept. 30, 1933:

Annual appropriation for all health work, including county organization, \$400,000. (Subject to proration on basis of available revenue coming into the general fund. This makes amount indeterminate.)

ALASKA

Executive health officer:

Walter W. Council, M.D., commissioner of health, Juneau

Assistant commissioners of health:

A. D. Haverstock, M.D., Seward

Rex F. Swartz, M.D., Nome

Floyd B. Gillespie, M.D., Fairbanks

Appropriation for 1933-35, \$13,800.

ARIZONA

State board of health:

B. B. Moer, governor, president, Phoenix

A. T. La Prade, vice president, Phoenix

Geo. C. Truman, superintendent, secretary, Phoenix

F. E. Doucette, executive secretary, Phoenix

Fred Ruppius, statistician, Phoenix

Ralph Thomas, assistant secretary and auditor, Phoenix

¹ Reprints Nos. 83, 123, 190, 286, 344, 405, 488, 544, 605, 706, 775, 871, 949, 1043, 1106, 1188, 1234, 1334, 1425, and 1522, from the Public Health Reports.

ARIZONIA—Continued

Executive health officer:

George C. Truman, M.D., State superintendent of health, Phoenix

State laboratory:

Jane Rider, director, Tucson
Marion Stroud, bacteriologist, Phoenix
W. B. West, assistant bacteriologist, Tucson
Fred Baker, assistant bacteriologist, Phoenix

Epidemiologist:

H. F. Stanton, M.D.

Sanitary engineer:

F. C. Roberts

County health units:

A. N. Crain, M.D., medical director, Maricopa County, Phoenix

R. B. Durfee, M.D., medical director, Cochise County, Bisbee

Geoffrey Morris, M.D., medical director, Pima County, Tucson

Anson B. Ingels, M.D., medical director, Gila County, Globe

Appropriations for laboratory, year ending June 30, 1934:

Salaries.....	7,440
Operation.....	1,621

9,061

ARKANSAS

Board of health:

E. D. McKnight, M.D., president, Brinkley

W. F. Smith, M.D., Little Rock

Thos. Wilson, M.D., Wynne

J. G. Gladden, M.D., Western Grove

L. D. Duncan, M.D., Waldron

W. G. Hodges, M.D., Malvern

F. O. Mahony, M.D., El Dorado

Executive health officer:

Wm. B. Grayson, M.D., State health officer, Little Rock

Bureau of vital statistics:

Mrs. J. B. Collie, statistician, Little Rock

Hygienic laboratory:

H. V. Stewart, associate director, Little Rock

Bureau of sanitation and malaria control:

M. Z. Bair, B.Sc.E., chief sanitary engineer, Little Rock

Bureau of child hygiene:

County health units:

Gordon Hastings, M.D., director, Little Rock

Appropriations for biennial period ending June 30, 1935:

Executive department, salaries and miscellaneous.....	\$23,000
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Bureau of vital statistics.....	28,000
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Bureau of sanitation.....	2,500
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Hygienic laboratory.....	14,840
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County health units and rural sanitation.....	160,000
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CALIFORNIA

Board of public health:

Howard Morrow, M.D., president, San Francisco

Edward M. Pallette, M.D., vice president, Los Angeles

Giles S. Porter, M.D., director of public health, Sacramento

Gifford L. Sobey, M.D., Paso Robles

William R. P. Clark, M.D., San Francisco

George H. Kress, M.D., Los Angeles

Junius B. Harris, M.D., Sacramento

Department of public health:

Giles S. Porter, M.D., director of public health, Sacramento

District health officer:

Gavin Telfer, M.D., southern division

Bureau of sanitary inspections:

Edward T. Ross, chief, Sacramento

Bureau of vital statistics:

Mrs. Marie B. Stringer, registrar, Sacramento

CALIFORNIA—Continued

Bureau of registration nurses:

Helen F. Hansen, chief, Sacramento

Bureau of tuberculosis:

Ethy L. M. Tate-Thompson, chief, Sacramento

Bureau of food and drug inspections:

M. P. Duffy, chief

Bureau of laboratories:

W. H. Kellogg, M.D., chief, Berkeley

Bureau of sanitary engineering:

C. G. Gillespie, C.E., chief, Berkeley

Bureau of child hygiene:

Ellen S. Stadtmuller, M.D., chief, San Francisco

Appropriations, available July 1, 1933, for biennial period ending June 30, 1935 (85th and 86th years):

Administration:

For support, department of public health.....	\$401,612
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Bureau of cannery inspection:

For support (payable from cannery-inspection funds).....	133,920
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Bureau of registration of nurses:

For support (payable from nurses registration funds).....	38,760
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Tuberculosis bureau:

Allotment for support, included in item "for support, department of public health", \$18,040.	
For subsidies.....	975,000

Total.....	1,549,292
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Other sources of revenue:

Fees for registration of nurses, \$10 each. (Fees for California graduate nurses, \$5 only)

Renewal of registration certificates, \$1 each per year

Licensing of cold storage warehouses, rated according to capacity, for credit to general fund

Fines for violation of pure food and drugs act, for credit to general fund

Fees for licenses, \$50 each, and contributions, for credit to bureau of cannery inspection

Fees for searches and certified copies of records, for credit to general fund

Fees for inspection and registration of aviaries, \$5 each

Fees for inspection of clinics and dispensaries, \$5 each

Publications issued by health department:

Biennial report

Weekly bulletin

COLORADO

Board of health:

Sherman Williams, M.D., president, Denver

S. R. McKelvey, M.D., secretary, Denver

N. M. Burnett, M.D., Lamar

Ben Beshoar, M.D., Trinidad

Paul J. Connor, M.D., Denver

G. W. Bumpus, D.O., Denver

C. A. Davlin, M.D., Alamosa

Ura O. Musick, Colorado Springs

William P. Gasser, M.D., Loveland

Executive health officer:

S. R. McKelvey, M.D., secretary, State board of health, Denver

Bacteriologist:

William C. Mitchell, M.D., Denver

Epidemiologist:

Merrill C. Jobe, M.D., Denver

State food and drug commissioner:

S. H. Loeb, Denver

Division of social hygiene:

S. R. McKelvey, M.D., director, Denver

Division of sanitary engineering:

Benjamin V. Howe, director, Denver

Division of plumbing inspection:

Irving H. Fuller, inspector, Denver

¹ Data received for publication in 1932.

COLORADO—Continued

Appropriations for fiscal years ending June 30, 1930 and 1931:

	1930	1931
Salaries.....	\$27,300	\$27,300
Laboratory equipment and supplies.....	2,000	2,000
Printing and publications.....	2,800	2,800
Traveling expenses.....	5,000	5,000
Samples and supplies (food).....	300	300
Venereal disease.....	20,000	20,000
Incidental expenses.....	1,750	1,750
Total.....	59,150	59,150

CONNECTICUT

Public health council:

C. E. A. Winslow, D.P.H.
James W. Knox
James A. Newlands
David R. Lyman, M.D.
Robert A. Cairns, C.E.
Joseph M. Ganey, M.D.

Executive health officer:

*Stanley H. Osborn, M.D., C.P.H., commissioner of health, Hartford

Bureau of preventable diseases:

*Millard Knowlton, M.D., C.P.H., director

Bureau of vital statistics:

*William C. Welling, director

Bureau of public-health nursing:

*Agnes F. Sullivan, acting director

Bureau of child hygiene:

*A. Elizabeth Ingraham, M.D.

Bureau of public-health instruction:

*Elizabeth C. Nickerson, C.P.H.

Bureau of laboratories:

*F. Lee Mickle, director

Bureau of sanitary engineering:

*Warren J. Scott, director

Bureau of occupational diseases:

*Albert S. Gray, M.D., director

Bureau of venereal diseases:

*Henry P. Talbot, M.D., director

Bureau of mental hygiene:

Division of mouth hygiene:

Clyde R. Salmons, D.D.S., chief

Division of medical registration:

*Ruth H. Monroe, chief

Appropriation for fiscal period ending June 30, 1935 (2 years), \$569,664.

Publications issued by health department:

Weekly bulletin

Monthly bulletin

Annual vital-statistics report

Annual report of State department of health

Miscellaneous pamphlets

DELAWARE

State board of health:

William P. Orr, M.D., president, Lewes
Mrs. Charles Warner, vice president, Wilmington

Robert E. Ellegood, M.D., Wilmington
Margaret I. Handy, M.D., Wilmington
Mrs. F. G. Tallman, Wilmington
Stanley Worden, M.D., Dover
Mrs. Arthur Brewington, Delmar
Charles R. Jeffers, Jr., D.D.S., Wilmington

Executive health officer:

*Arthur C. Joss, M.D., C.M., Dover

Director of laboratory:

*Rowland D. Herdman, Dover

Director of child hygiene:

*Clesland A. Sargent, M.D., Dover

Sanitary engineer:

*Richard C. Beckett, Dover

Superintendent of Brandywine Sanatorium:

*Lawrence D. Phillips, M.D., Marshallton

Superintendent of Edgewood Sanatorium:

*Elizabeth Van Vranken, R.N., Marshallton

DELAWARE—Continued

State oral hygienist:

Miss M. E. Wagner, R.N.

County unit officers:

*J. R. Downs, M.D., New Castle County
*E. F. Smith, M.D., Kent County
*J. B. Derricksen, M.D., Sussex County

Appropriations for each fiscal year ending

June 30, 1934 and 1935:

General administration..... \$31,000
Hygienic laboratory..... 10,000
Edgewood Sanatorium for colored tuberculous patients..... 27,000
Brandywine Sanatorium for white tuberculous patients..... 120,000
Dental hygiene..... 12,000

Total.....

Publications:

Annual report

Bulletins on health subjects

Weekly circular

DISTRICT OF COLUMBIA

Executive health officer:

*William C. Fowler, M.D., health officer, Washington

Assistant health officer:

*Edward J. Schwartz, M.D., Washington

Chief clerk and deputy health officer:

*Arthur G. Cole, Washington

Chief, bureau of preventable diseases, and director

bacteriological laboratory:

*James G. Cumming, M.D., Washington

Bacteriologist:

*John E. Noble, Washington

Serologist:

*Jesse P. Porch, D.V.M., Washington

Chemist:

*John B. Reed, Washington

Chief sanitary inspector:

*J. Frank Butts, Washington

Director child-hygiene service:

*Hugh J. Davis, M.D., Washington

Chief food inspector:

*Reid R. Ashworth, D.V.S., Washington

Chief medical and sanitary inspector of schools:

*Joseph A. Murphy, M.D., Washington

Micro-analyst:

*Edwin R. Donaldson, Washington

Appropriations for the fiscal year ending

June 30, 1934:

Salaries..... \$155,000
Prevention of communicable diseases..... 28,000
Isolation wards at hospitals..... 22,500
Milk and food inspection and regulation..... 6,000
Dispensary service, including treatment of tuberculosis and venereal diseases..... 33,112
Maintaining a child-hygienic service..... 44,000
Hygiene and sanitation, public schools..... 80,000
Laboratory service..... 2,000
Miscellaneous..... 1,300

Total.....

Publications issued by health department:

Weekly report by health department

Annual report of health officer

Monthly statement of average grade of milk sold

FLORIDA

Board of health:

N. A. Baltzell, M.D., president, Marianna

Leland H. Dame, M.D., Inverness

Harry Dash Johnson, M.D., Daytona Beach

Executive health officer:

*Henry Hanson, M.D., State health officer,

Jacksonville

Diagnostic laboratories:

*Paul Eaton, M.D., D.P.H., director, Jacksonville

Bureau of vital statistics:

*Stewart G. Thompson, D.P.H., director,

Jacksonville

Bureau of communicable diseases:

*F. A. Brink, M.D., director, Jacksonville

FLORIDA—Continued**Bureau of sanitary engineering:**

*Louva G. Lennett, director, Jacksonville

Division of public health nursing:

*Joyce Ely, R.N., acting director

Appropriation for health department:

One-half mill tax levied upon the assessable property of the State for the year ending June 30, 1933, to be supplemented from the general fund: Appropriation, 1933-35, \$179,600 annually

Publications issued by health department:

Pamphlets covering all phases of public health
Public health information disseminated through the weekly and daily papers of the State
Florida health notes
Annual reports

GEORGIA**Department of health:****State board of health:**

Dr. Cleveland Thompson, Millen, First District

Dr. C. K. Sharp, Arlington, Second District

Mr. R. C. Ellis, Americus, Third District

Dr. M. M. Head, Zebulon, Fourth District

Mr. R. F. Maddox, Atlanta, Fifth District

Dr. A. R. Rozar, Macon, Sixth District

Dr. M. M. McCord, Rome, Seventh District

Dr. H. W. Clements, Adel, Eighth District

Dr. L. C. Allen, Hoschton, Ninth District

Dr. W. A. Mulherin, Augusta, Tenth District

Dr. T. C. Marshall, Atlanta, State at large

Dr. Claude Rountree, Thomasville, State at large

Dr. M. H. Varn, Atlanta, State at large

Dr. R. F. Sullivan, Savannah, State at large

Executive health officer:

*T. F. Abercrombie, M.D., director, Atlanta

*J. P. Bowdoin, M.D., assistant director

Division of venereal-disease control:

*Joe P. Bowdoin, M.D., chief, Atlanta

Division of county health work:

*M. E. Winchester, M.D., chief, Atlanta

Division of laboratories:

*T. F. Sellers, chief, Atlanta

Division of sanitary engineering:

*L. M. Clarkson, chief, Atlanta

Bureau of vital statistics:

*Butler Toombs, chief, Atlanta

Division of child hygiene:

*Joe P. Bowdoin, M.D., chief, Atlanta

Division of accounting and purchasing:

*C. L. Tinsley, chief, Atlanta

Appropriations for the fiscal year ending Dec. 31, 1933:

General appropriation..... \$148,000

Trachoma..... 10,000

Total..... 158,000

HAWAII TERRITORY**Board of health:**

F. E. Trotter, M.D., president and executive officer, Honolulu

Harry R. Hewitt, attorney general, Honolulu

Grover A. Batten, M.D., Honolulu

Donald S. Bowman, Honolulu

Alan S. Davis, Honolulu

James A. Williams, Honolulu

J. Platt Cooke, Honolulu

Executive health officer:

*F. E. Trotter, M.D., president of the board of health, Honolulu

Secretary:

*Mae R. Weir, Honolulu

Bureau of sanitation and pure food:

*S. W. Tay, director, Honolulu

*F. K. Schultz, division supervisor, Honolulu

*Clifford H. Bowman, division supervisor, island of Hawaii, Hilo

*R. C. Lane, division supervisor, island of Maui, Wailuku

*A. P. Christian, division supervisor, island of Kauai, Lihue

*Robert B. Pauole, sanitary inspector, Leeward Molokai, Kaunakakai

HAWAII TERRITORY—Continued**Health officer, island of Hawaii:**

*Joseph S. Caceres, Hilo

Bureau of vital statistics:

*M. H. Lemon, registrar general, Honolulu

Laboratory technician:

*Mary L. Goodknight, Honolulu

Tuberculosis bureau:

C. Alvin Dougan, M.D., director

Bureau of public health nursing:

*Mabel L. Smyth, R.N., director, Honolulu

Food commissioner and analyst:

*M. B. Bairos, Honolulu

Territorial hospital:

*A. B. Kroll, superintendent, Kaneohe, Oahu

*A. B. Eckerdt, M.D., medical director, Kaneohe, Oahu

Bureau of communicable diseases:

Frederick K. Lam, M.D., director, Honolulu

Health officer, island of Kauai:

A. M. Ecklund, M.D., Koloa

Bureau of maternal and infant hygiene and child welfare:

Frederick K. Lam, M.D., director, Honolulu

Bacteriologist, island of Hawaii:

*Fred S. Paine, Hilo

Bacteriologist, island of Maui:

Haliburton McCoy, M.D., Puunene

Bacteriologist, island of Kauai:

A. M. Ecklund, M.D., Koloa

Appropriations, 1933-35:**Board of health—general administration:**

Personal services..... \$44,000.00

Other current expenses..... 7,000.00

Bureau of vital statistics:

Personal services..... 20,000.00

Other current expenses..... 2,000.00

Tuberculosis—Government hospital (Puunalea Home):

Personal services..... 47,017.50

Other current expenses..... 58,000.00

Equipment..... 481.10

Tuberculosis bureau:

Personal services..... 14,040.00

Other current expenses..... 9,060.00

Equipment..... 900.00

Tuberculosis—private hospitals:

Contributions to Leahi Home..... 144,000.00

Contributions to Kula Sanitarium..... 76,800.00

Contributions to Samuel Mahelona Memorial Hospital..... 55,500.00

Bureau of public health nursing:

Personal services..... 135,108.00

Other current expenses..... 10,000.00

Plague campaign:

Personal services..... 36,648.00

Other current expenses..... 9,352.00

Bureau of communicable diseases:

Personal services..... 20,000.00

Other current expenses..... 20,000.00

Bureau of maternal and infant hygiene:

Personal services..... 6,400.00

Other current expenses..... 1,800.00

Boards of examiners:

Personal services..... 216.00

Other current expenses..... 405.00

Sanitation and pure food:

Personal services..... 91,898.00

Other current expenses..... 10,000.00

Equipment..... 230.00

Agents—Government physicians:

Personal services..... 76,180.00

Territorial hospital:

Personal services..... 320,784.00

Other current expenses..... 140,296.00

Equipment..... 500.00

Structures and improvements..... 2,000.00

Total..... 1,360,615.00

Publications issued by health department:

Annual report of president

Registrar General's report

Monthly morbidity and mortality report

IDAHO

Department of public welfare:

- *Lewis Williams, commissioner
- *W. V. Leonard, B.S.M.E., State chemist and sanitary engineer
- *Lawrence J. Peterson, bacteriologist
- *A. W. Klotz, assistant chemist
- *R. J. Harding, dairy, food, drug, hotel, and sanitary inspector
- *James M. Welsh, dairy, food, drug, hotel, and sanitary inspector

Executive health officer:

- *Lewis Williams, commissioner of public welfare, Boise

Bureau of child hygiene:

- *Mrs. Deborah H. Worthington, director, Boise

Appropriations for biennial period ending Dec. 31, 1934:

Personal services.....	\$35,205
Other expenses.....	12,605
Veneral-disease control.....	1,500
Vaccines and antitoxins.....	2,000
Child hygiene.....	2,800

Total..... 54,170

ILLINOIS

Board of public-health advisors:

- Herman N. Bundesen, M.D., chairman
- Charles DeCenter, M.D.
- Walter W. Hamburger, M.D.
- Clifford U. Collins, M.D.
- W. A. Evans, M.D.

Executive health officer:

- *Frank J. Jirka, M.D., director of public health, Springfield

Assistant director of public health:

- *A. C. Baxter, M.D.

Division of sanitation and engineering:

- *Harry F. Ferguson, C.E., chief sanitary engineer

Division of communicable diseases:

- *J. J. McShane, M.D., D.P.H., chief

Division of child hygiene and public-health nursing:

- *Grace S. Wightman, M.D., chief

Division of tuberculosis:

- *A. C. Baxter, M.D., acting chief

Division of laboratories:

- *Howard J. Shaughnessy, Ph.D., chief

Division of vital statistics:

- *Sheldon L. Howard, registrar

Division of public-health instruction:

- *Baxter K. Richardson, chief

Division of hotel and lodging-house inspection:

- *Courtney Scobell, superintendent

Appropriations for biennial period ending June 30, 1935:

Salaries.....	\$674,960
Salaries State officers.....	27,800
Office expenses.....	23,176
Traveling expenses.....	128,661
Operation.....	260,116
Repairs and equipment.....	17,875
Contingent.....	15,000
Printing.....	50,000
Postage.....	25,000
Sanitary water board law.....	20,000
Rabies.....	12,000
Emergency.....	25,000

Total..... 1,288,583

Publications issued by health department:

- Illinois Health Messenger (bimonthly)
- Weekly press bulletin
- Educational health circulars

INDIANA

Board of health:

- John Clay Glackman, M.D., president, Rockport
- Edmund M. Van Buskirk, M.D., Fort Wayne
- Ernest Rupel, M.D., Indianapolis
- Verne K. Harvey, M.D., secretary, Indianapolis

Executive health officer:

- *Verne K. Harvey, M.D., C.P.H., director, Indianapolis

INDIANA—Continued

Collaborating epidemiologist and assistant director:

- *Thurman B. Rice, M.D., Indianapolis

Epidemiologist:

- *J. W. Jackson, M.D., Indianapolis

Bureau of vital statistics:

- *H. M. Wright, statistician and registrar, director, Indianapolis

Bacteriological laboratory:

- *Clyde G. Culbertson, M.D., director, Indianapolis

Division of chemistry:

- *Martin L. Lang, State food and drug commissioner, Indianapolis

Bureau of dairy products:

- *John Tylor, director, Indianapolis

Bureau of sanitary engineering:

- *Louis A. Geupel, B.S.C.E., director, Indianapolis

Food and drug laboratory:

- *Frank J. Koehne, B.Ch.E., director, Indianapolis

Bureau of health education:

- *Bynum Legg, director, Indianapolis

Bureau of housing, industrial and school hygiene:

- *Fred K. Myles, director, Indianapolis

Bureau of public-health nursing:

- *Eva F. MacDougal, R.N., director, Indianapolis

Appropriations for each of fiscal years beginning July 1, 1933 and 1934, \$207,300.

IOWA

State department of health:

EX OFFICIO

- Clyde L. Herring, governor, Des Moines
- Mrs. Alex Miller, secretary of state, Des Moines
- Leo Wegman, treasurer of state, Des Moines
- Ray Murray, secretary of agriculture, Des Moines
- Walter L. Bierring, M.D., State commissioner of health, Des Moines

APPOINTIVE BY GOVERNOR

- C. A. Boice, M.D., president, Washington
- T. D. Kas, M.D., secretary, Sutherland
- J. F. Aldrich, M.D., Shenandoah
- C. W. Ellyson, M.D., Waterloo
- J. M. Smittle, M.D., Waucoma
- Executive health officer:
 - *Walter L. Bierring, M.D., commissioner of health, Des Moines
 - *Frederick J. Swift, M.D., deputy commissioner
- Executive clerk:
 - *Lynn Clemens, Des Moines
- Division of child health and health education:
 - *Joseph H. Kinnaman, M.D., Des Moines
- Division of epidemiology:
 - *Carl F. Jordan, M.D., C.P.H., Des Moines
- State hygienic laboratories:
 - *M. E. Barnes, M.D., Dr.P.H., director, Iowa City
- Division of public health nursing:
 - *Edith S. Countryman, R.N., director, Des Moines
- Division of nursing education:
 - *Maude E. Sutton, R.N., director, Des Moines
- Division of vital statistics:
 - *Robert L. McLaren, director, Des Moines
- Division of licensure and registration:
 - *H. W. Grefe, director, Des Moines
- Division of law enforcement:
 - *Herman B. Carlson, attorney, Des Moines
- Division of sanitary engineering:
 - *A. H. Wieters, C.E., director, Des Moines
- Division of barber inspection:
 - *William B. Wilson, director, Des Moines
- Division of cosmetology inspection:
 - *Naomi M. Krause, director, Des Moines
- Housing work is carried on by engineering division.
- Medical, nurses, dental, optometry, cosmetology, chiropractic, osteopathy, embalming, podiatry, and barber examining boards are combined in State department of health.

IOWA—Continued

Appropriations for fiscal year ending June 30, 1934:	
For salaries, support, maintenance and miscellaneous purposes.....	\$45,340
For child-health and health education.....	6,600
For inspector salaries, support, maintenance, and miscellaneous.....	4,200
For sanitary engineering and housing salaries, support, maintenance, and miscellaneous.....	18,900
For barber-inspection salaries, support, maintenance, and miscellaneous.....	15,150
For division of cosmetology inspection salaries, support, maintenance, and miscellaneous.....	11,360
Total.....	101,550

Publications:
 Biennial report
 Quarterly bulletin
 Weekly health message

KANSAS

Board of health:
 J. L. Lattimore, M.D., president, Topeka
 H. L. Aldrich, M.D., Caney
 George I. Thacher, M.D., Waterville
 R. S. Haury, M.D., Newton
 Charles W. Robinson, M.D., Atchison
 Clay E. Coburn, M.D., Kansas City
 H. A. Browne, M.D., Galena
 L. V. Turgeon, M.D., Wilson
 C. L. Hooper, M.D., Dodge City
 Frazor Edmondson, LL.B., Topeka

Executive health officer:
 *Earle G. Brown, M.D., secretary State board of health, Topeka

Division of vital statistics:
 *C. L. Miller, M.D., State registrar.

Division of communicable diseases:
 *C. H. Kinnaman, M.D., epidemiologist, Topeka

Division of foods and drugs:
 *Thomas I. Dalton, Ph.C., assistant chief food and drug inspector, Topeka

Division of child hygiene:
 *J. C. Montgomery, M.D., chief, Topeka

Division of rural sanitation:
 *J. C. Montgomery, M.D., director, Topeka

Division of sanitation:
 Earnest Boyce, chief, Lawrence

Division of public-health education:
 *Earle G. Brown, M.D., director, Topeka

Water and sewage laboratories at Kansas University:
 Earnest Boyce, director, Lawrence

Food laboratory at Kansas University:
 H. P. Cady, director

Drug laboratory at Kansas University:
 Prof. L. D. Havenhill, director of drug analysis, Lawrence

Food laboratory at Kansas Agricultural College:
 Prof. H. H. King, director of food analysis, Manhattan

Public health laboratory, Topeka:
 *Ross L. Laybourn, bacteriologist, in charge.

Appropriations for year ending June 30, 1934:

	Salaries	Total
Executive.....	\$4,400	\$6,000
Division of communicable diseases.....	4,800	15,210
Division of food and drugs.....	8,140	12,140
Division of child hygiene.....	5,760	8,000
Division of cooperative county health work.....		6,000
Public health laboratory.....	4,010	8,300
Division of sanitation (Engineering, water, and sewage).....		2,400
Board members.....	200	800
Total.....	27,310	58,850

KANSAS—Continued

Other sources of revenue:
 Marriage fees, approximately \$20,000
 Water and ice analysis fees, approximately \$14,000

Publications issued by health department:
 Biennial report
 Weekly morbidity report

KENTUCKY

Board of health:
 E. M. Howard, M.D., president, Harlan
 George S. Coon, M.D., Louisville
 A. T. McCormack, M.D., secretary, Louisville
 J. Watts Stovall, M.D., Grayson
 Lawrence T. Minish, M.D., Frankfort
 B. B. Keys, M.D., Murray
 F. L. Johnson, M.D., Livermore
 C. J. Johnson, D.O., Louisville
 James F. Wilson, Mayfield
 Jas. J. Goodwin, Louisville

Executive health officer:
 *A. T. McCormack, M.D., D.P.H., State health officer, Louisville

Bureau of county health work:
 *P. E. Blackerby, M.D., assistant State health officer, Louisville
 *V. A. Stille, M.D., assistant field director, Benton

Bureau of vital statistics:
 *J. F. Blackerby, director, Louisville

Bureau of bacteriology:
 *Lillian H. South, M.D., director, Louisville

Bureau of sanitary engineering:
 *F. C. Dugan, S.E., director, Louisville

Bureau of food, drugs, and hotels:
 *Sarah Vance Dugan, director, Louisville

Bureau of venereal diseases:
 Jethra Hancock, M.D., Louisville

Bureau of public health nursing:
 *Margaret L. East, R.N., director, Louisville

Bureau of maternal and child health:
 *Annie S. Veech, M.D., director, Louisville
 *Juanita Jennings, M.D., assistant director, Louisville

Bureau of prevention of trachoma and blindness:
 United States Trachoma Hospital:
 *Robert Sory, M.D., medical officer in charge

Bureau of budget:
 *Elva V. Grant, director, Louisville

Bureau of epidemiology:
 *J. L. Jones, M.D., director, Louisville

Bureau of tuberculosis and State tuberculosis sanatorium:
 *Paul A. Turner, M.D., director and superintendent, Louisville

Bureau of dental health:
 J. F. Owen, D.D.S., director, Lexington

Appropriations for fiscal year ending June 30, 1934:

Central administration for all departments.....	\$145,200
Full-time county health departments.....	188,000
State tuberculosis sanatorium.....	12,500
Total.....	345,700

Publications issued by health department:
 Monthly bulletin

LOUISIANA

State board of health:
 J. A. O'Hara, M.D., president, New Orleans
 S. E. Graham, M.D., Melville
 S. J. Couvillon, M.D., Moreauville
 J. L. Kelly, M.D., Oak Grove
 (Other members to be appointed)
 Fannie B. Nelken, secretary

Executive health officer:
 J. A. O'Hara, M.D., president, State board of health, New Orleans

Bacteriologist:
 W. H. Seemann, M.D., New Orleans

Registrar of vital statistics:
 J. George Dempsey, M.D., New Orleans

Bureau of communicable diseases:
 C. L. Brown, M.D.

LOUISIANA—Continued

Bureau of mental hygiene:
H. R. Unsworth, M.D., New Orleans
Bureau of research and information:
P. A. Kibbe, M.D.
Bureau of public health administration:
*George S. Bote, executive assistant,
U.S.P.H.S., acting director; New Orleans
Sanitary engineer:
*John H. O'Neill, New Orleans
Analyst:
*Cassius L. Clay, New Orleans
Bureau of animal industry:
*G. T. Jackson, D.V.S., director, New Orleans
Sanitary inspection:
*Peter Rohrs, Jr., chief, New Orleans
Auditor:
*Phil Arras, New Orleans
Appropriations for fiscal year:

1932-33.....	\$395,000
1933-34.....	431,000

Publications issued by health department:
Quarterly bulletin
Biennial report
Miscellaneous leaflets

MAINE

Department of health and welfare:

Bureau of health:
George H. Coombs, M.D., director, Augusta

Advisory council of health and welfare:

Miss Sally P. Moses, Bangor
George W. Lane, Jr., Auburn
Mrs. Dora B. Pinkham, Fort Kent
Walter G. Davis, Portland
Mrs. Helen C. Donahue, Portland
E. V. Call, M.D., Lewiston

Division of administration:
*George H. Coombs, M.D., Augusta

Division of communicable diseases:
*George H. Coombs, M.D., Augusta

Division of laboratories:
*A. H. Morrell, M.D., Augusta

Division of sanitary engineering:
*Elmer W. Campbell, D.P.H., Augusta

Division of vital statistics:
*George H. Coombs, M.D., State registrar, Augusta

Division of social hygiene:
*George H. Coombs, M.D., Augusta

Division of public health nursing and child hygiene:
*Edith L. Soule, R.N., Augusta

Division of dental hygiene:
*Dorothy Bryant, D.H., Augusta

District health officers:
*J. L. Pepper, M.D., South Portland
*R. L. Mitchell, M.D., Lewiston
*J. W. Loughlin, M.D., Newcastle
*B. F. Porter, M.D., Caribou

Appropriations for fiscal year ending June 30, 1933:

Salaries and clerk hire.....	\$36,400
Office expense and epidemic fund....	20,900
District and local health officers....	29,600
Veneral-disease control work.....	9,700
Maternity and child-welfare work....	26,300
Branch State laboratory, Caribou....	2,900
Aid for typhoid carriers.....	4,800
Completion of vital records of the State.....	400
Infantile-paralysis control.....	2,000

Total..... 133,000

Other sources of revenue:

Census Bureau, Washington, D.C., about \$533

License fees for camps, roadside eating and lodging places, about \$11,000 (estimated)

MARYLAND

Board of health:

Robert H. Riley, M.D., Dr.P.H., chairman, Baltimore

Thomas S. Cullen, M.D., Baltimore

Wm. P. Lane, Jr., attorney general, Baltimore

MARYLAND—Continued

Board of health—Continued.

William W. Ford, M.D., Baltimore
Huntington Williams, M.D., Dr.P.H., Baltimore

Tolley A. Blays, C.E., Baltimore

Benjamin C. Perry, M.D., Bethesda

E. F. Kelly, Phar.D., Baltimore

Burt B. Ide, D.D.S., Baltimore

Executive health officer:

*Robert H. Riley, M.D., Dr.P.H., director of health, Baltimore

Division of personnel and accounts:

*Walter N. Kirkman, chief, Baltimore

Division of oral hygiene:

*Richard C. Leonard, D.D.S., chief, Baltimore

Division of legal administration:

*J. Davis Donovan, LL.B., chief, Baltimore

Committee on public health education:

*Gertrude B. Knipp, secretary, Baltimore

Bureau of communicable diseases:

*Robert H. Riley, M.D., Dr.P.H., chief, Baltimore

*C. H. Halliday, M.D., epidemiologist, Baltimore

*C. W. G. Rohrer, M.D., Ph.D., diagnostician, Baltimore

Bureau of vital statistics:

*John Collinson, M.D., Dr.P.H., chief, Baltimore

Food and drug commissioner:

*A. L. Sullivan, chief, Baltimore

Deputy food and drug commissioner:

*R. L. Swain, Ph.D., LL.B.

Bureau of bacteriology:

*C. A. Perry, chief, Baltimore

Bureau of sanitary engineering:

*Abel Wolman, B.S.E., chief, Baltimore

Bureau of chemistry:

*John C. Krantz, Jr., Ph.M., chief, Baltimore

Bureau of child hygiene:

*J. H. Mason Knox, Jr., Ph.D., M.D., chief, Baltimore

Appropriations for fiscal year ending Sept. 30, 1934, \$346,332

Publications issued by health department:

Annual report

Weekly News Letter

Monthly bulletin

MASSACHUSETTS

Public health council:

Henry D. Chadwick, M.D., chairman, Boston

Roger I. Lee, M.D., Boston

Francis H. Lally, M.D., Milford

Richard P. Strong, M.D., Boston

Sylvester E. Ryan, M.D., Springfield

James L. Tighe, Holyoke

Gordon Hutchins, Concord

Executive health officer:

*Henry D. Chadwick, M.D., State commissioner of public health, Boston

Secretary:

*Alice M. Nelson

Division of administration:

(Under direction of commissioner)

Division of communicable diseases:

*Gaylord W. Anderson, M.D., director, Boston

Division of sanitary engineering:

*Arthur D. Weston, C.E., director and chief engineer, Boston

Division of water and sewage laboratories:

*Arthur D. Weston, C.E., director, Boston

Division of biologic laboratories:

*Elliott S. Robinson, M.D., director and pathologist, Boston

Divisions of food and drugs:

*Hermann C. Lythgoe, director and analyst, Boston

Division of child hygiene:

*M. Luise Diez, M.D., director, Boston

Division of tuberculosis sanatoria:

*Alton S. Pope, M.D., director, Boston

Division of adult hygiene:

*Herbert L. Lombard, M.D., director, Boston

MASSACHUSETTS—Continued

Appropriations for department of public health, 1933:

Division of administration:

Salary of commissioner.....	\$6, 375. 00
Personal services.....	18, 455. 00
Services other than personal...	11, 025. 00

Division of child hygiene:

Personal services of director and assistants.....	32, 900. 00
Services other than personal...	14, 400. 00
Personal services in connection with maternal and infant hygiene.....	21, 450. 00
Expenses in connection with maternal and infant hygiene.	9, 200. 00

Division of communicable diseases:

Personal services of director, district health officers, etc..	68, 760. 00
Services other than personal...	15, 075. 00
Personal services in connection with control of venereal diseases.....	12, 870. 00
Expenses in connection with control of venereal diseases..	28, 000. 00

Wassermann Laboratory:

For personal services.....	15, 990. 00
For expenses of laboratory....	5, 000. 00

Antitoxin and vaccine laboratory:

For personal services.....	66, 860. 00
Other services.....	34, 500. 00

Inspection of food and drugs:

For personal services.....	48, 725. 00
Other services.....	11, 060. 00

For administering the shellfish law:

Personal services.....	1, 860. 00
Other services.....	1, 000. 00

Water supply and disposal of sewage, engineering division:

For personal services.....	66, 125. 00
For other services.....	18, 450. 00

Water supply and disposal of sewage, division of water and sewage laboratories:

For personal services.....	40, 280. 00
For other services.....	7, 200. 00

Division of tuberculosis:

For personal services.....	33, 750. 00
Services other than personal...	5, 350. 00
For personal services of tuberculosis clinic units.....	54, 400. 00
Services other than personal (clinic units).....	31, 200. 00
Payment of subsidies.....	405, 000. 00

For maintenance of and for certain improvements at the Lakeville, North Reading, Rutland, and Westfield State sanatoria.....

973, 036. 25

Division of adult hygiene:

For personal services.....	41, 840. 00
For other expenses.....	33, 050. 00

Cancer hospital at Norfolk:

For maintenance of and for certain improvements.....	227, 750. 00
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Total..... 2, 360, 926. 00

MICHIGAN

Advisory council of health:

Robert B. Harkness, M.D., Houghton
Chalmers J. Lyons, D.D.Sc., Ann Arbor
Louis J. Hirschman, M.D., Detroit
Karl B. Brucker, M.D., Lansing
George J. Curry, M.D., Flint

Executive health officer:

*C. C. Slemons, M.D., Dr.P.H., State health commissioner, Lansing

Bureau of engineering:

*E. D. Rich, C.E., director
*John M. Hepler, assistant engineer
*Willard F. Shepard, assistant engineer
*Raymond J. Faust, assistant engineer
*Orla E. McGuire, assistant engineer

MICHIGAN—Continued

Bureau of laboratories:

*C. C. Young, Ph.D., Dr.P.H., director
*Wm. E. Bunney, Ph.D., associate director
*Minna Crooks, R.N., bacteriologist
*M. B. Kurtz, D.V.M., serologist
*Pearl Kendrick, bacteriologist, West Michigan division
*Ora Mills, bacteriologist, Houghton branch
*A. B. Haw, clinical pathologist
*Roy W. Pryor, Dr.P.H., immunologist
*Merle M. Woodward, toxicologist
*Don Cummings, assistant director, in charge of property

Bureau of child hygiene and public health nursing:

*Lillian R. Smith, M.D., director
*Goldie Corneliuson, M.D., physician
*Ida M. Alexander, M.D., prenatal consultant
*Helen de Spelder Moore, R.N., assistant director

Bureau of records and statistics:

*W. J. V. Deacon, M.D., director

Bureau of education:

*Marjorie Delavan, director
*Pearl Turner, assistant director
*Melita Hutzel, lecturer

Bureau of embalming:

*Frank J. Pienta, director

Bureau of communicable diseases and rural hygiene:

*C. D. Barrett, M.D., C.P.H., director
*Filip Forsbeck, M.D., associate director, in charge of communicable diseases
*M. B. Beckett, M.D., C.P.H., field agent, in charge of rural hygiene

Bureau of mouth hygiene:

*William R. Davis, D.D.S., director

Appropriations for fiscal year ending June 30, 1934:

Personal services.....	\$200, 500
Supplies.....	97, 250
Contractual service.....	7, 700
Outlay for equipment.....	

Total.....	305, 450
County health departments.....	48, 000
Smallpox vaccine, toxoid manufacturing.....	5, 000
Beaver Island, physician.....	2, 200

Grand total..... 360, 650

Publications issued by health department:

Monthly bulletin
Annual report
Communicable disease pamphlets
Sex hygiene pamphlets
Child hygiene pamphlets
Engineering bulletins
Mouth hygiene pamphlets
Scientific reprint series
Rules and regulations

MINNESOTA

Board of health:

N. G. Mortensen, M.D., president, St. Paul
Frederic Bass, C.E., vice president, Minneapolis
Erling S. Platou, M.D., Minneapolis
J. A. Thabes, Sr., M.D., Brainerd
Helen Hughes Hielscher, M.D., Mankato
S. Z. Kerlan, M.D., Aitkin
C. I. Oliver, M.D., Graceville
A. S. Milinowski, C.E., St. Paul
Thomas G. Bell, Duluth

Executive health officer, State Office Bldg., St. Paul:

*A. J. Chesley, M.D., secretary and executive officer

Division of administration, State Office Bldg., St. Paul:

*O. C. Pierson, director

Division of vital statistics, State Office Bldg., St. Paul:

*Gerda C. Pierson, director

Division of hotel inspection, State Office Bldg., St. Paul:

*E. H. Berg, State hotel inspector

MINNESOTA—Continued

Division of preventable diseases (including venereal diseases), University Campus, Minneapolis:

- *O. McDaniel, M.D., director
- *Lucy Heathman, Ph.D., chief of laboratories
- *W. P. Greene, M.D., epidemiologist
- *James E. Perkins, M.D., epidemiologist
- *Ralph R. Sullivan, M.D., epidemiologist

Division of sanitation, University Campus, Minneapolis:

- *H. A. Whittaker, director
- *O. E. Brownell, C.E., senior sanitary engineer

Division of child hygiene, university campus, Minneapolis:

- Everett C. Hartley, M.D., director
- *Olivia Peterson, R.N., superintendent of public-health nursing

Appropriations for fiscal year ending June 30, 1934:

Maintenance and vital statistics—	
Salaries.....	\$27, 600
Expenses.....	7, 000
	<hr/> 34, 600

Providing free antitoxin and other biological products (balance, \$11,801.80)

Venereal diseases and venereal-disease education.....	20, 600
Sanitary engineering and laboratory.....	25, 000
Preventable diseases and laboratory.....	65, 000
Protection for maternity and infancy.....	28, 000
Indian-health work.....	8, 000
Hotel inspection.....	33, 000
Stream pollution survey.....	10, 000
For aid to typhoid carriers.....	7, 500
For printing.....	450

Total..... 232, 150

Publications issued by health department:

Educational pamphlets

MISSISSIPPI

Board of health:

- J. W. Lipscomb, M.D., president, Columbus
- Felix J. Underwood, M.D., secretary, Jackson
- S. E. Eason, M.D., New Albany
- L. B. Austin, M.D., Rosedale
- W. A. Dearman, M.D., Gulfport
- B. J. Shaw, M.D., Slate Spring
- W. H. Frizell, M.D., Brookhaven
- John Darrington, M.D., Yazoo City
- Dudley Stennis, M.D., Newton
- Wm. R. Wright, D.D.S., Jackson

Executive health officer:

- *Felix J. Underwood, M.D., secretary, State board of health, Jackson

Bureau of vital statistics:

- *R. N. Whitfield, M.D., director, Jackson

Bureau of child hygiene and public health nursing:

- *Felix J. Underwood, M.D., acting director, Jackson
- *Mary D. Osborne, R.N., supervisor, public health nursing, Jackson
- *Gladys Eyrich, supervisor oral hygiene, Jackson

Hygienic laboratory:

- *T. W. Kemmerer, M.D., director, Jackson

Bureau of sanitary engineering:

- *H. A. Kroeze, C.E., director, Jackson
- *N. M. Parker, D.V.S., State sanitary inspector, Jackson
- *C. M. Ledbetter, State sanitary inspector, Jackson

- *Floyd Ratliff, State sanitary inspector, Jackson

Bureau of county health work:

- *H. C. Ricks, M.D., C.P.H., director, Jackson
- *John A. Milne, M.D., M.P.H., assistant director, Jackson

Bureau of tuberculosis control:

- *Henry Boswell, M.D., director, Sanatorium

Bureau of industrial hygiene:

- *J. W. Dugger, M.D., director, Jackson

Epidemiological unit:

- *A. L. Gray, M.D., M.P.H., director, Jackson
- *Catherine Mayfield, bacteriologist
- *Margaret Meade, nurse-investigator

MISSISSIPPI—Continued

State appropriation for period January 1 to December 31, 1933, \$130,000.

Publications issued by health department:

- Biennial report
- Health pamphlets

MISSOURI

Board of health:

- Emmett P. North, M.D., president, St. Louis
- P. T. Bohan, M.D., vice president, Kansas City

- W. T. Elam, M.D., St. Joseph
- W. A. Clark, M.D., Jefferson City
- E. S. Smith, M.D., Kirksville
- T. S. Bourke, M.D., Kansas City
- E. T. McCaugh, M.D., State health commissioner, Jefferson City

Executive health officer:

- *E. T. McCaugh, M.D., State health commissioner, Jefferson City

Epidemiology:

- *E. K. Musson, M.D., M.P.H., epidemiologist

Laboratories:

- *Dora Snyder, acting bacteriologist

Sanitary engineering:

- *Herbert Bosch, public health engineer

Vital statistics:

- *William F. Lunsford, M.D., M.P.H., vital statistician

Child hygiene and cooperative county health work:

- *Irl Brown Krause, M.D., director

Public health nursing:

- *Miss Ida Brossard, R.N., supervisor

Appropriations for State board of health, biennial period 1933-34:

Additions.....	\$3, 000
Repairs and replacements.....	6, 000
Operation.....	41, 250
Salaries.....	152, 500

Total..... 202, 750

Board of health fund:

Personal service.....	15, 000
Repairs and replacements.....	2, 625
Operation.....	12, 375

Total..... 30, 000

Cosmetology and hair-dressing:

Personal service.....	16, 822
Additions.....	578
Repairs and replacements.....	572
Operation.....	12, 028

Total..... 30, 000

MONTANA

Board of health:

- George M. Jennings, M.D., president, Missoula
- L. H. Fligman, M.D., Helena
- E. G. Balsam, M.D., Billings
- E. M. Porter, M.D., Great Falls
- B. L. Pampel, M.D., Livingston
- W. F. Cogswell, M.D., secretary

Executive health officer:

- *W. F. Cogswell, M.D., secretary, Helena

Division of communicable diseases:

- *J. H. Crouch, M.D., epidemiologist, Helena

Division of child welfare:

- *W. F. Cogswell, M.D., acting director, Helena

Division of food and drugs:

- *J. W. Forbes, director, Helena

Division of vital statistics:

- *W. F. Cogswell, M.D., State registrar, Helena

- *L. L. Benepe, deputy State registrar, Helena

Division of water and sewage:

- *H. B. Foote, director, Helena
- W. M. Cobleigh, consulting sanitary engineer, Bozeman

- *Oliver Morgan, analyst, Helena

Hygienic laboratory:

- *Fred D. Stimpert, director, Helena
- *Edith Kuhns, technician, Helena
- E. D. Hitchcock, M.D., consulting bacteriologist, Great Falls

MONTANA—Continued**Appropriations for the years ending—**

	June 30, 1934	June 30, 1935
Salaries.....	\$23, 300	\$23, 300
Operating expenses.....	15, 750	15, 750
Capital repairs and replacements.....	500	500
Division of child welfare.....	10, 500	10, 500
Board of entomology (Rocky Mountain spotted-fever work).....	3, 000	3, 000
Total.....	53, 050	53, 050

NEBRASKA**Department of health:****Executive health officer:**

*P. H. Bartholomew, M.D., acting director of health, Lincoln

Collaborating epidemiologist:

*P. H. Bartholomew, M.D., Lincoln

Bacteriologist:

*L. O. Vose, Lincoln

Division of venereal diseases:

*P. H. Bartholomew, M.D., director, Lincoln

Statistician:

*Jean Barrett, Lincoln

Medical examining board:

W. R. Boyer, M.D., Pawnee City

H. J. Lehnhoff, M.D., Lincoln

F. A. DeOgny, M.D., Milford

Appropriations for biennial period ending June 30, 1935:

Salary of director.....	\$7, 200
Salaries.....	20, 000
Maintenance.....	10, 000
Total.....	37, 200

NEVADA**State board of health:**

F. B. Balzar, Governor, president, Carson City

Edward E. Hamer, M.D., secretary and State health officer, Carson City

W. G. Greathouse, secretary of State

John Fuller, M.D., Reno

C. W. West, M.D., Reno

Executive health officer:

*Edward E. Hamer, M.D., State health officer, Carson City

State hygienic laboratory at State university:

*Vera E. Lautenschlager, acting director, Reno

Appropriations for period from July 1, 1933, to June 30, 1935:

Salary of secretary.....	\$5, 000
Salary of clerk.....	2, 813
Traveling expenses.....	1, 500
Office postage.....	250
Office supplies, heat, rent, and light.....	1, 800
Office telephone and telegraph.....	300
Equipment.....	200
Registration of births and deaths.....	350
Purchase of diphtheria and other dangerous disease antitoxin.....	500
Total.....	12, 713

Publications issued by health department:

Biennial report
Special bulletins

NEW HAMPSHIRE**Board of health:**

Robert Fletcher, C.E., president, Hanover

D. E. Sullivan, M.D., Concord

George C. Wilkins, M.D., Manchester

Barbara Beattie, M.D., Littleton

John G. Winant, Governor

Francis W. Johnston, attorney general, Claremont

NEW HAMPSHIRE—Continued**Executive health officer:**

*Charles Duncan, M.D., secretary, State board of health, Concord

*Harriet I. Parkhurst, chief clerk, Concord

Division of maternity, infancy, and child hygiene:

*Mary D. Davis, R.N., director and supervising nurse, Manchester

Department of vital statistics:

*Charles Duncan, M.D., registrar, Concord

*Doris P. Bartlett, chief clerk, Concord

Division of chemistry and sanitation:

*Charles D. Howard, chief of division, Concord

*Frederick Vintinner, assistant chemist, Concord

*Harriet I. Albee, assistant chemist and bacteriologist, Concord

*Leonard W. Trager, assistant sanitary engineer, Concord

*Russell A. Eckloff, inspector

*Joseph X. Duval, chief inspector, Concord

Diagnostic and pathological department:

*William R. Macleod, serologist and diagnostic bacteriologist, Concord

H. N. Kingsford, M.D., pathologist, Hanover

*Benj. Jewell, assistant in pathological laboratory, Concord

Venereal disease division:

*Charles A. Weaver, M.D., Manchester

Appropriations for fiscal year ending June 30, 1934:

State board of health.....	\$49, 503
Laboratory of hygiene.....	17, 490
Vital statistics.....	3, 340
Cancer clinic fund.....	15, 000
Total.....	85, 333

Publications issued by health department:

Bulletin
Biennial report

NEW JERSEY**Board of health:**

Charles I. Lafferty, president, Atlantic City

Margaret L. MacNaughton, vice president, Jersey City

Mrs. Helen M. Berry, Newark

H. E. Winter, V.M.D., Plainfield

J. Oliver McDonald, M.D., Trenton

S. A. Cosgrove, M.D., Jersey City

J. E. H. Guthrie, D.D.S., Newark

Clyde Potts, C.E., Morristown

Irvin E. Deibert, M.D., Camden

James E. Russell

John V. Bishop

Executive health officer:

*J. Lynn Mahaffey, M.D., director of health, Trenton

Bureau of bacteriology:

*John V. Mulcahy, chief, Trenton

Bureau of chemistry:

*John E. Bacon, chief, Trenton

Bureau of administration:

*Charles J. Merrell, chief, Trenton

Bureau of food and drugs:

*Walter W. Scofield, chief, Trenton

Bureau of public-health education:

*Edwin C. Lanigan, chief, Trenton

Bureau of child hygiene:

Julius Levy, M.D., consultant, Trenton

Bureau of local health administration:

Wm. H. McDonald, acting chief, Trenton

Bureau of engineering:

*H. P. Croft, chief, Trenton

Bureau of vital statistics:

*David S. South, chief, Trenton

Bureau of venereal-disease control:

A. J. Casselman, M.D., consultant, Trenton

Appropriations for fiscal year ending June 30, 1934:

Salaries.....	\$223, 600. 00
Miscellaneous.....	58, 500. 00
Child hygiene.....	103, 872. 52
Venereal disease control.....	25, 420. 00
Total.....	411, 392. 52

Publications issued by health department:

Monthly bulletin
Annual report

NEW MEXICO

Board of public welfare:

Robert O. Brown, M.D., president, Santa Fe
Max Nordhaus, Albuquerque
Mrs. David Chavez, Jr., secretary, Santa Fe
Mrs. Orren Beaty, Lovington
Eugene D. Lujan, Albuquerque

Executive health officer:

*J. Rosslyn Karp, Dr.P.H., director of public health, Santa Fe

Division of sanitary engineering and sanitation:

*Paul S. Fox, M.S. in C.E., chief, Santa Fe

Division of county health work:

*C. H. Douthitt, M.D., director, Santa Fe

State supervisor of public-health nursing:

*Eleanor L. Kennedy, R.N., Santa Fe

Public-health laboratory:

*Myrtle Greenfield, chief, Albuquerque

State registrar:

*Miss Billy Tober, Santa Fe

Appropriation for years 1933-34 and 1934-35, per annum, \$35,900. Fiscal year ends June 30.

NEW YORK

Public health council:

Simon Flexner, M.D., LL. D., chairman, New York

Homer Folks, LL.D., vice chairman, Yonkers

Henry N. Ogden, C.E., Ithaca

Frederick F. Russell, M.D., New York

Livingston Farrand, M.D., Ithaca

Walter A. Leonard, M.D., Cambridge

Thomas Farran, Jr., M.D. (ex officio), commissioner of health, Albany

Executive health officer:

*Thomas Farran, Jr., M.D., State commissioner of health, Albany

Deputy commissioner of health:

*Paul B. Brooks, M.D., Albany

*Edward S. Godfrey, M.D., assistant commissioner for local health administration

Administrative officer:

*Edmund Schreiner, LL.B.

Division of public-health education:

*B. R. Rickards, director, Albany

Division of sanitation:

*Charles A. Holmquist, C.E., director, Albany

Division of vital statistics:

*Joseph V. De Porte, Ph.D., director, Albany

Division of maternity, infancy, and child hygiene:

*Elizabeth M. Gardiner, M.D., director, Albany

Division of communicable diseases:

*George H. Ramsey, M.D., director, Albany

Division of tuberculosis:

*Robert E. Plunkett, M.D., director, Albany

Division of social hygiene:

*Albert Pfeiffer, M.D., director, Albany

Division of laboratories and research:

*Augustus B. Wadsworth, M.D., director, Albany

Division of public-health nursing:

*Marion Sheahan, R.N., director, Albany

Division of orthopedics:

*Walter J. Craig, M.D., director, Albany

Division of cancer control:

*Burton T. Simpson, M.D., director

Institute for the study of malignant disease, Buffalo:

*Burton T. Simpson, M.D., director

New York State Hospital for Incipient Pulmonary Tuberculosis, Ray Brook:

*H. A. Bray, M.D., superintendent

New York State Reconstruction Home, West Haverstraw:

*John B. Kelly, superintendent

Appropriations for fiscal year ending June 30, 1934:

Personal service.....	\$1,671,460.00
Maintenance and operation.....	770,129.00
State aid to county laboratories.....	110,000.00
State aid to county health activities.....	442,211.24
Emergency poliomyelitis fund....	25,000.00
Construction and permanent betterments.....	1,853,700.00
Total.....	4,872,500.24

NEW YORK—Continued

Other sources of revenue:

Fees from certified transcripts of birth, death, and marriage certificates, \$2,737.05 per annum

Licensing laboratories, \$449

Sale of serums, \$1,921.57

Licensing of embalmers and undertakers,

\$5,521.50

Registration of embalmers and undertakers,

\$27,508.50

Rental of radium, estimated, \$920.

Care of county cases at reconstruction house,

\$104,437.88

Refund of transportation of discharged patients from tuberculosis hospital, Ray Brook,

estimated, \$4,000

Publications issued by health department:

Weekly Health News

Monthly Vital Statistics Review

Annual report

NORTH CAROLINA

Board of health:

Carl V. Reynolds, M.D., president, Asheville

S. D. Craig, M.D., vice president, Winston-Salem

G. G. Dixon, M.D., Ayden

J. N. Johnson, D.D.S., Goldsboro

H. Lee Large, M.D., Rocky Mount

H. G. Baity, Chapel Hill

W. T. Rainey, M.D., Fayetteville

Hubert B. Haywood, M.D., Raleigh

James P. Stowe, Ph.G., Charlotte

Executive health officer:

*James M. Parrott, M.D., secretary and State health officer, Raleigh

Division of laboratories and vital statistics:

*John H. Hamilton, M.D., director, Raleigh

*R. T. Stimpson, M.D., bureau of vital statistics, Raleigh

Division of sanitary engineering:

*Warren H. Booker, C.E., director, Raleigh

Division of preventive medicine:

*G. M. Cooper, M.D., director, Raleigh

(a) Maternity and infancy

(b) Health education

Division of county health work:

M. V. Ziegler, M.D., director, pro tem, Raleigh

Bureau of epidemiology:

J. C. Knox, M.D., director, Raleigh

Division of oral hygiene:

*Ernest A. Branch, D.D.S., director, Raleigh

Appropriation for fiscal year ending June 30, 1933,

\$215,275.

Other sources of revenue: Special fees, \$66,512.

NORTH DAKOTA

Advisory health council:

John Crawford, M.D., New Rockford

Agnes Stucke, M.D., Garrison

C. W. Livingston, D.D.S., Minot

P. O. Sather, attorney general, ex officio, Bismarck

Arthur E. Thompson, superintendent of public instruction, ex officio, Bismarck

Maysil M. Williams, M.D., C.P.H., State health officer

Executive health officer:

*Maysil M. Williams, M.D., C.P.H., State health officer, Bismarck

Bureau of child hygiene and public-health nursing:

Bureau of venereal diseases:

(No appropriation)

Bureau of sanitary engineering:

(No appropriation)

Bureau of vital statistics:

(No appropriation)

NORTH DAKOTA—Continued

Appropriations for biennial period ending June 30, 1935:

Salary State health officer.....	\$4,800
Director of preventable diseases.....	2,000
Bureau of child hygiene and public health nursing.....	6,113
Director of division of child hygiene.....	3,584
Three stenographers.....	2,400
One nurse.....	2,529
Postage.....	700
Office supplies.....	300
Printing and lithographing.....	500
Miscellaneous.....	250
Travel expense.....	1,500
Tabulating, indexing, filing, and binding birth, death, and marriage certificates.....	1,000

OHIO

Public-health council:

H. S. Southard, M.D., chairman, Columbus
James E. Bauman, secretary
G. D. Lummis, M.D.
R. M. Calfee
W. I. Jones, D.D.S.
(Vacancy)

Executive health officer:

*H. S. Southard, M.D., director of health, Columbus

Assistant director of health:

*James E. Bauman

Division of administration:

*James E. Bauman, chief

*C. A. Orrison, chief clerk

Bureau of publicity:

*Paul Mason, director

Bureau of local health organization:

*R. W. DeCrow, M.D., chief

Division of communicable diseases:

*Finley Van Orsdall, M.D., chief

Bureau of tuberculosis:

*W. J. Smith, M.D.

Bureau of venereal diseases:

*W. P. Johnson, M.D.

Bureau of prevention of blindness:

*W. P. Johnson, M.D.

Division of sanitary engineering:

*F. H. Waring, chief

Bureau of plumbing inspection:

*George Wood, acting chief

Division of vital statistics:

*Irva C. Plummer, chief

Division of laboratories:

*Leo F. Ey, chief

Division of hygiene:

*E. R. Hayhurst, M.D., chief

Bureau of hospitals:

*Clara E. Reeder, R.N., chief

Bureau of dental hygiene:

Bureau of child hygiene:

Bureau of occupational diseases:

Appropriations for 12 months ending Dec. 31, 1933 and 1934:

	1933	1934
Personal services.....	\$178,495.73	\$178,495.73
Maintenance.....	53,087.60	53,087.60
State aid for health districts.....	150,000.00	150,000.00
Total.....	381,583.33	381,583.33

Publications issued by health department:
Ohio Health News (semimonthly)

OKLAHOMA

Executive health officer:

*G. N. Bilby, M.D., State health commissioner, Oklahoma City

OKLAHOMA—Continued

Assistant State health commissioner:

*J. P. Folan, Oklahoma City

Bureau of vital statistics:

*Juanita Johnston Smith, registrar

Bureau of laboratories:

*Katherine Harris, bacteriologist

*Hannah Wallock, assistant bacteriologist

*Taylor Rogers, chemist

Bureau of sanitary engineering:

*H. J. Darcey, B.S. in Engineering, director

Appropriations for fiscal years ending June 30, 1934 and 1935:

Administration:

Commissioner..... \$3,840

Assistant commissioner..... 2,100

Secretary and stenographer..... 1,320

Bookkeeper..... 1,500

Bureau of diagnostic laboratory:

Chemist..... 2,400

Assistant chemist..... 1,500

Bacteriologist..... 1,800

Assistant bacteriologist..... 1,800

Record clerk..... 1,200

Extra help—janitor..... 900

Manufacture typhoid and toxoid vaccine..... 2,500

Bureau of sanitary engineering:

Engineer..... 2,800

Bureau of pure food, drugs, and sanitary inspection:

Inspectors (4 at \$1,500 each)..... 6,000

Bureau of vital statistics:

Registrar..... 2,000

Assistant registrar..... 1,200

Statistical clerks (2 at \$1,200)..... 2,400

Travel, administration..... 6,000

Communication..... 3,500

Printing, administration..... 2,500

Office supplies..... 500

Medical supplies..... 7,000

Office equipment..... 250

Laboratory equipment..... 900

Bureau of epidemiology, Bureau of rural sanitation and disease control in the rural districts, and dental health education..... 17,500

Malaria control..... 7,500

Registrars of vital statistics..... 20,000

Total..... 100,910

OREGON

Board of health:

N. E. Irvine, M.D., president, Lebanon

Albert Mount, M.D., vice president, Oregon City

Robert L. Benson, M.D., Portland

J. P. Brennan, M.D., Pendleton

H. H. Foskett, M.D., Portland

J. H. Rosenberg, M.D., Prineville

J. H. Rossman, D.M.D., Portland

Executive health officer:

*Frederick D. Stricker, M.D., secretary and State health officer, Portland

Registrar of vital statistics:

*Frederick D. Stricker, M.D., Portland

Division of public health nursing and child hygiene:

*Mary P. Billmeyer, R. N., Portland

Director of laboratory:

*William Levin, D.P.H., Portland

Appropriations for fiscal year ending December 31, 1933, \$28,864.50.

Publications issued by health department:

Annual report

Biennial report

Pamphlets and posters

Weekly letter

PENNSYLVANIA

Advisory health board:

Theodore B. Appel, M.D., chairman

Ross V. Patterson, M.D., Philadelphia

William G. Turnbull, M.D., Philadelphia

John M. Beck, M.D., Alexandria

C. B. Auel, M.E., Pittsburgh

Saylor T. McGhee, M.D., Lock Haven

W. L. Eichler, Oakmont

PENNSYLVANIA—Continued

Sanitary water board:

Theodore B. Appel, M.D., chairman
Lewis E. Staley, secretary of forests and waters,
Harrisburg

O. M. Delbler, commissioner of fisheries,
Harrisburg

P. T. Davis, Clearfield

Elmer A. Holbrook, Pittsburgh

W. C. McCormick, Williamsport

W. L. Stevenson, chief engineer and secretary,
Harrisburg

Edmund C. Wingerd, Chambersburg

Executive bureau:

*Theodore B. Appel, M.D., secretary of health,
Lancaster

*J. Bruce McCreary, M.D., deputy secretary
of health, Shippensburg

*Clifton T. Williams, comptroller, Harrisburg

Division of accounts:

*E. J. McNamara, Philadelphia

Division of supplies:

*Roy G. Miller, Harrisburg

Division of laboratories:

*John L. Laird, M.D., Philadelphia

Institutions:

Mont Alto sanatorium:

*R. H. McCutcheon, M.D., medical direc-
tor, South Mountain

Cresson sanatorium:

*T. H. A. Stites, M.D., medical director,
Cresson

Hamburg sanatorium:

*H. A. Gorman, M.D., medical director,
Hamburg

State hospital for crippled children:

*Francis S. Chambers, M.D., medical
director, Elizabethtown

*L. G. Ownes, business manager, Elizabeth-
town

Bureau of health law enforcement:

*J. Bruce McCreary, M.D.

Division of school inspection:

*Charles W. Sheldon, M.D., county medical
director, Wellsboro

*John W. German, Harrisburg

Pre-school division:

*Mary Riggs Noble, M.D., Harrisburg

Division of public health education:

*J. C. Funk, LL.B., Harrisburg

Division of drug control:

*Harold V. Smith, Curwensville

Division of restaurant hygiene:

*Howard M. Haines, Harrisburg

Bureau of health conservation:

*J. Moore Campbell, M.D., Harrisburg

Division of tuberculosis clinics:

*John B. Critchfield, M.D., Lock Haven

Division of environmental hygiene:

*Howard F. Bronson, Harrisburg

Division of genito-urinary diseases:

*Edgar S. Everhart, M.D., Lemoyne

Division of epidemiology:

*S. J. Dickey, M.D., Harrisburg

Bureau of nursing:

*Mrs. Mary S. Evans, R.N., Harrisburg

Bureau of milk control:

*Robert F. Brinton, West Chester

Bureau of sanitary engineering:

*W. L. Stevenson, Harrisburg

Bureau of vital statistics:

*Emlyn Jones, M.D., Johnstown

Appropriations for biennial period ending
May 31, 1935:

Salary of secretary.....	\$20, 000
General health purposes and main- tenance of sanatoria and hospital for crippled children.....	5, 123, 000
Orthopedic unit.....	50, 000
Salinity survey of Delaware River....	25, 000
Total.....	5, 218, 000

PHILIPPINE ISLANDS

Director of health:

*Jacobo Fajardo, M.D., Manila

Assistant to the director:

Regino G. Padua, M.D., D.T.M., Dr.P.H.

Council of hygiene, advisory board to the director
of health:

Benito Valdes, M.D., chairman

Gervasio de Ocampo, M.D.

Jose Albert, M.D.

Proceso Gabriel, M.D.

Hilario Lara, M.D., Dr. P.H.

Eulogio P. Revilla, LL.B.

Vicente P. Genato.

Jose P. Bantug, Ph.G., M.D., secretary

Executive health officer:

*Jacobo Fajardo, M.D., director of health,
Manila

Division of administration:

*Leoncio Lopez-Rizal, M.D., chief

*Geronimo Mercado, P.A., chief clerk

Personnel section:

*Jose Villacorta, chief

Records section:

*Victorio Yabot, chief

Finance section:

*Lope O. Tayao, chief

Property section:

*Bonifacio Mencias, M.D., chief

Publicity section:

*Jose P. Bantug, Ph.G., M.D., chief

Nursing section:

*Genera S. Manongdo, R.N., chief

Nutrition section:

Froilan Eubanas, M.D., C.P.H., in charge

Division of hospitals and dispensaries:

*Eusebio D. Aguilar, M.D., chief

Baguio hospital:

*Teodoro C. Arvisu, M.D., chief

Culion Leper Colony:

*Jose M. Raymundo, M.D., C.P.H., chief

*Casimiro B. Lara, M.D., chief physician

Insular Psychopathic Hospital:

Elias Domingo, M.D., chief alienist

San Lazaro Hospital:

Catalino Gavino, M.D., chief

Southern Islands Hospital:

Augusto P. Villalon, M.D., chief

Division of maternal and child hygiene:

*Tranquilino Elicafio, M.D., chief

Section of school health supervision:

Mariano C. Icasiano, M.D., C.P.H., chief

Section of puericulture center clinics:

Demetrio Belmonte, M.D., chief

Section of maternity hospitals:

*Fe S. Horilleno, M.D., chief

Section of midwifery instruction:

Eusebio Salud, M.D., chief

Division of epidemiology:

*Eugenio Hernandez, M.D., C.P.H., chief

Section of vital statistics:

*Jose Guidote, M.D., C.P.H., chief

Section of tuberculosis control:

*Sixto A. Francisco, M.D., chief

Section of leprosy:

*Sulpicio Chiyuto, M.D., chief

*Cristobal Manalang, M.D., D.T.M.,
chief pathologist

*Jose Rodriguez, M.D., C.P.H., general
supervisor of regional leprosy treatment
stations

Section of malaria control:

Antonio Ejercito, M.D., chief

Section of control of other preventable diseases:

Angel Alomia, M.D., C.P.H., chief

Division of sanitation:

*Gabriel Intengan, M.D., chief

Section of urban sanitation:

*Felipe Arenas, M.D., C.P.H., chief

Section of rural sanitation:

*Enrique F. Ochoa, M.D., C.P.H., chief

Section of sanitary engineering:

Manuel Mañosa, C.E., chief

Section of immunization:

*Jose Slan, M.D., C.P.H., chief

PHILIPPINE ISLANDS—Continued**Appropriation for fiscal year ending December 31, 1933:**

Salaries and wages.....	\$517, 288. 45
Miscellaneous expenses.....	490, 100. 84
Furniture and equipment.....	6, 412. 50

Total..... 1, 013, 801. 79

Special expenses:

For tuberculosis control work, act 3743.....	48, 390. 00
Continuation of treatment and diagnosis of lepers.....	96, 132. 50
Maintenance of regional treatment stations, etc.....	62, 224. 50
Aid to specially organized Provinces.....	180, 193. 50
Aid to Province of Ilocos Sur for the operation, maintenance, and equipment of the Cervantes Hospital.....	6, 000. 00
School of nursing in Baguio.....	4, 677. 50
Medicines and medical and surgical supplies for distribution to public-school dispensaries.....	3, 350. 00
General demonstration on a small scale of the practical control of beriberi.....	4, 688. 00
Control of malaria in the regularly specially organized Provinces and municipal districts.....	17, 778. 00
For insular aid for operation and maintenance of provincial hospitals.....	86, 008. 00
For the support of the Philippine Islands Antituberculosis Society.....	25, 000. 00
For the operation of the maternity hospital, including the training of midwives in the city of Manila.....	25, 000. 00
Aid to puericulture centers.....	42, 507. 00
Total for special expenses.....	601, 949. 00

Less required savings in any item of salaries and wages, miscellaneous expenses, furniture and equipment, and special expenses..... 124, 177. 50

Grand total of appropriation..... 1, 491, 573. 29

Publications issued by the bureau of health:

Daily Service News
Weekly comparative epidemiological résumé
Weekly résumé of births and deaths
Monthly bulletin
Health Messenger (monthly)
Annual report
Service numbered pamphlets
Reprints (unnumbered pamphlets)
Posters

PUERTO RICO**Insular board of health:**

R. López Sicardó, M.D., chairman, San Juan
W. A. Glines, M.D., San Juan
E. Koppisch, M.D., San Juan
Blas C. Herrero, M.D.
H. Cook, expert chemist (Vacancy)
A. Rivera, veterinarian
Manuel del Valle, M.D.
A. Ortiz Toro, attorney, San Juan
Luis B. de la Vega, M.D., secretary

Executive health officer:

*E. Garrido Morales, M.D., Dr., P. H. commissioner of health, San Juan.
*Antonio Arbona, M.D., assistant commissioner of health, section of public health, San Juan
*Pedro Malaret, M.D., assistant commissioner of health, section of charities, San Juan

PUERTO RICO—Continued**Division of property and accounts:**

*Abelardo Santiago, chief, San Juan

Bureau of general sanitation:

*W. F. Lippitt, M.D., chief, San Juan

Bureau of sanitary engineering:

*Octavio Marcano, sanitary engineer, San Juan

Biological laboratory:

*Oscar Costa Mandry, M.D., director, San Juan

Chemical laboratory:

*R. del Valle Sárraga, Ph.C., director, San Juan

Bureau of transmissible diseases:

*Abel de Juan, M.D., chief, San Juan

Bureau of vital statistics:

*Manuel A. Perez, chief, San Juan

Bureau of tuberculosis:

*J. Rodríguez Pastor, M.D., chief, San Juan.

Bureau of malaria:

*Walter C. Earle, M.D., chief, San Juan

Bureau of infant hygiene:

*Marta Robert de Romeu, M.D., chief, San Juan

Bureau of public-health units:

*George C. Payne, M.D., chief, San Juan

Division of social service:

*Beatriz Lassalle, superintendent, San Juan

Appropriations for the fiscal year 1933-34:

Office of the commissioner.....	\$458, 585. 42
Bureau of general sanitation.....	88, 255. 00
Bureau of sanitary engineering.....	17, 340. 00
Biological laboratory.....	31, 096. 00
Chemical laboratory.....	14, 686. 00
Bureau of transmissible diseases.....	59, 510. 00
Bureau of vital statistics.....	11, 765. 00
Bureau of tuberculosis.....	164, 763. 88
Bureau of malaria.....	40, 030. 00
Bureau of infant hygiene.....	8, 612. 22
Bureau of public-health units.....	228, 377. 58
Division of social service.....	3, 300. 00

Total..... 1, 126, 321. 10

RHODE ISLAND**Public health commission:**

John Champlin, Jr., M.D., chairman, Westerly
Berton W. Storrs, M.D., Portsmouth
James H. Prior, M.D., Providence
Dennett L. Richardson, Providence
Charles H. Holt, M.D., Pawtucket

Executive health officer:

*Lester A. Round, Ph.D., director of public health and State registrar, State Office Bldg., Providence

Pathologist:

Lester A. Round, Ph.D., Providence

Chemist:

Charles L. Poole, Providence

Appropriations for the fiscal year ending June 30, 1934:

Executive department.....	\$48, 420
Chemical department.....	15, 930
Pathological department.....	31, 963
Child hygiene.....	24, 065
Veneral diseases.....	8, 495

SOUTH CAROLINA**Executive committee, board of health:**

William Egleston, M.D., chairman, Hartsville
Robert Wilson, Jr., M.D., Charleston
L. D. Boone, M.D., Aiken
D. Lesesne Smith, M.D., Spartanburg
E. A. Hines, M.D., Seneca
W. R. Wallace, M.D., Chester
J. Lee Carpenter, Ph.G., Greenville
F. M. Routh, M.D., Columbia
George Dick, D.D.S., Sumter
John M. Daniel, attorney general, Columbia
A. J. Beattie, comptroller general, Columbia

Executive health officer:

*James A. Hayne, M.D., State health officer, Columbia

SOUTH CAROLINA—Continued

Department of county health units:
 *Ben F. Wyman, M.D., director, Columbia

Laboratory department:
 *H. M. Smith, M.D., in charge, Columbia
 *J. R. Cain, chief bacteriologist, Columbia

Bureau of vital statistics:
 *Miss Nellie Cunningham, chief clerk, Columbia

Bacteriologist and chemist:
 F. L. Parker, Jr., M.D., Ph.D., Charleston

South Carolina Sanatorium:
 *Ernest Cooper, M.D., superintendent, State Park

Epidemiologist:
 *A. H. Hayden, M.D., Columbia

Appropriations for 18 months ending June 30, 1934:

Administrative office.....	\$52,096
Control of epidemic diseases.....	2,186
For 1 midwife supervisor.....	2,168
Bureau of vital statistics.....	9,384
Laboratory.....	12,352
Bureau of rural sanitation.....	33,643
Division of sanitary engineering, for 2 inspectors and expenses.....	5,752
Aid for crippled children.....	13,500
	<hr/> 131,081
Tuberculosis sanatoria.....	156,000

Publications issued by health department:
 Annual report
 Bulletins of various departments

SOUTH DAKOTA

Board of health:
 Carl A. Feige, M.D., president, Canova
 R. J. Quinn, M.D., vice president, Burke
 H. J. Barton, M.D., Watertown
 N. T. Owen, M.D., Rapid City
 Park B. Jenkins, M.D., superintendent, Pierre

Executive health officer:
 *Park B. Jenkins, M.D., Pierre

Division of vital statistics:
 *Park B. Jenkins, M.D., Pierre

Division of child hygiene:
 *Florence Walker Englesby, R.N., Pierre

Division of sanitary engineering:
 *W. W. Towne, C.E., Pierre

Division of medical licensure:
 *Park B. Jenkins, M.D., Pierre

Division of records and accounts:
 *Katherine Niebuhr, Pierre

Laboratories (at Vermillion):
 J. C. Ohlmacher, M.D., Vermillion

Appropriations:

	1933-34	1934-35
Salaries and wages.....	\$10,000	\$10,000
Biological products.....	2,000	2,000
Postage, communication, and travel.....	3,000	3,000
Crippled children.....	2,500	2,500
Dues.....	50	50
Infancy and maternity work.....	5,000	5,000
Office supplies, printing and binding.....	2,500	2,500
Total.....	25,050	25,050

TENNESSEE

Department of public health:
 Central administration:
 *E. L. Bishop, M.D., C.P.H., commissioner, Nashville

County and other local health work:
 *W. K. Sharp, Jr., M.D., director, Nashville

Child hygiene and public health nursing:
 Miss Donna Pearce, associate director, public health nursing, Nashville

TENNESSEE—Continued

Department of public health—Continued.
 Central administration—Continued.
 Division of vital statistics:
 *R. H. White, Ph.D., director, Nashville

Division of preventable diseases:
 *J. A. Crabtree, M.D., C.P.H., director, Nashville

Division of laboratories:
 *William Litterer, M.D., director, Nashville

Division of sanitary engineering:
 *Roy J. Morton, C.E., director, Nashville

State appropriation for biennium July 1, 1933, to June 30, 1935, \$350,885.
 Balance from old appropriation, supplementary, approximately, \$90,000.

Other sources of revenue:

Rockefeller Foundation, International Health Division.....	\$38,540
Commonwealth fund.....	36,504
National Tuberculosis Association (balance from last year).....	764
U.S. Public Health Service (trachoma only) (no budget adopted for present fiscal year).....	4,230

TEXAS

State board of health:
 C. M. Rosser, M.D., Chairman, Dallas
 J. M. Howe, C.E., vice chairman, Houston
 E. W. Wright, M.D., Bowie
 J. S. Wooten, M.D., Austin
 *J. M. Frazier, M.D., Belton
 J. B. Brady, D.D.S., El Paso
 S. A. Woodward, M.D., Fort Worth
 J. S. McCalvey, M.D., Temple
 Henry Hein, Ph.G., San Antonio

Executive health officer:
 *John W. Brown, M.D., State health officer, Austin

Bureau of child hygiene:
 *H. N. Barnett, M.D., director

Bureau of vital statistics:
 *W. A. Davis, M.D., director

Bureau of laboratories:
 *S. W. Bohls, M.D., director

Bureau of rural and county health work:
 *K. E. Miller, M.D., U.S.P.H.S., director

Bureau of communicable disease control and epidemiology:
 *Chas. D. Reese, M.D., director

Bureau of sanitary engineering:
 *V. M. Ehlers, C.E., director

Bureau of foods and drugs:
 *E. C. Koerth, Ph.G., director

Bureau of public health education:
 *L. E. Bracy, director

Appropriations for fiscal years 1934-35, per annum, \$189,380.

UTAH

Board of health:
 Joseph R. Morrell, M.D., president, Ogden
 T. B. Beatty, M.D., secretary, Salt Lake City
 Joseph H. Peck, M.D., Tooele
 T. J. Howells, M.D., Salt Lake City
 W. D. Donohar, M.D., Salt Lake City
 R. A. Hart, C.E., Salt Lake City
 Barnet E. Bonar, M.D., Salt Lake City

Executive health officer:
 *T. B. Beatty, M.D., State health commissioner, Salt Lake City

Bureau of vital statistics:
 *T. B. Beatty, M.D., State registrar

Bureau of child hygiene:
 *T. B. Beatty, director

Sanitary engineer:
 *Lynn Thatcher

Bacteriological laboratory:
 *E. H. Bramhall, bacteriologist

Appropriations for 2 years ending June 30, 1935, \$40,000.

Publications issued by health department:
 Quarterly bulletin
 Biennial report

VERMONT

Board of health:

William G. Ricker, M.D., chairman, St. Johnsbury

Claude M. Campbell, M.D., Manchester
Charles G. Abell, M.D., Enosburg Falls

Executive health officer:

*Charles F. Dalton, M.D., secretary, State board of health, Burlington

Laboratory of hygiene:

*Charles F. Whitney, M.D., Burlington

Sanitary engineering:

Earle L. Waterman, C.E., director, Burlington

Sanitary inspector:

*Fred S. Kent, M.D., Burlington

Division of communicable diseases:

*Fred S. Kent, M.D., Burlington

Division of tuberculosis:

*H. W. Slocum, Burlington

Division of poliomyelitis:

*Lillian E. Kron, R.N., Burlington

Division of maternity and infancy:

*Nellie M. Jones, R.N.

Appropriations for fiscal year ending June 30, 1934,
\$44,000; 1935, \$52,000.

Other sources of revenue:

Private donations for study and treatment of
infantile paralysis.

Publications issued by health department:

Biennial report

VIRGIN ISLANDS

Executive health officer:

*E. B. Stafford, M.D., commissioner of public
health, St. Thomas

VIRGINIA

Board of health:

W. T. Graham, M.D., president, Richmond
Mrs. Franklin H. Kenworthy, Purcellville

Frank Darling, Hampton

J. A. McGuire, M.D., Norton

George B. Lawson, M.D., Roanoke

Guy R. Harrison, D.D.S., Richmond

L. T. Royster, M.D., University

Executive health officer:

*W. F. Draper, M.D., Richmond

Assistant health officer:

*Roy K. Flannagan, M.D., Richmond

Director of county health work and tuberculosis
out-patient service:

*I. C. Riggin, M.D., Richmond

Epidemiologist:

*G. F. McGinnes, M.D., Richmond

Director of child health:

*B. B. Bagby, M.D., Richmond

Registrar of vital statistics:

*W. A. Piecker, M.D., Richmond

Director of public-health nursing:

*Mary I. Mastin, R.N., Richmond

Director of mouth hygiene:

*N. T. Ballou, D.D.S., Richmond

Bacteriologist:

*Adah Corpening, Richmond

Chief sanitary engineer:

*Richard Messer, C.E., Richmond

Appropriations (subject to 30 percent reduction) for
the fiscal year ending June 30, 1934:

Administration.....	\$23, 805
Sanitary engineering.....	21, 500
Publicity.....	10, 620
Town sanitation.....	4, 500
Social hygiene.....	2, 395
Prevention of tuberculosis.....	61, 450
Control of epidemics.....	9, 525
Laboratories.....	21, 005
Promotion of child health.....	53, 230
Rural health work.....	98, 540
Shellfish inspection—sanitation.....	25, 000
Vital statistics.....	26, 575
Orthopedic treatment.....	25, 000
Collection and publication of marriage and divorce statistics.....	3, 770
Prevention of blindness.....	2, 300
Tuberculosis sanatoria.....	345, 495

Total..... 734, 710

Publications issued by health department:

Monthly bulletin

Annual report

WASHINGTON

Board of health:

E. R. Coffey, M.D., director of health, chair-
man, Seattle

Ralph Hendricks, M.D., Spokane

Alexander Peacock, M.D., Seattle

H. F. Wight, D.D.S., Yakima

E. N. Hutchinson, D.V.M., Olympia

Department of health:

*E. R. Coffey, M.D., director, Seattle

Division of laboratories and epidemiology:

*A. U. Simpson, M.D., epidemiologist, Seattle

Division of public-health engineering:

*Roy M. Harris, Seattle

Division of public-health nursing and child hygiene:

*Mrs. Mary Louise Allen, R.N., Seattle

Division of vital statistics:

*Francis D. Rhoads, State registrar, Seattle

Appropriation for 2 years ending March 31, 1935:

Salaries.....\$48, 787

Operation.....29, 250

State aid to local tuberculosis
sanatoria.....350, 000

WEST VIRGINIA

Public health council:

A. H. Hoge, M.D., Bluefield

S. W. Price, M.D., Scarbro

W. C. D. McCuskey, M.D., Wheeling

W. E. Vest, M.D., Huntington

B. W. Swint, M.D., Charleston

M. T. Morrison, M.D., Sutton

W. E. Minghini, D.D.S., Martinsburg

Arthur E. McClue, M.D., commissioner of
health, Charleston

Executive health officer:

*Arthur E. McClue, M.D., commissioner of
health, Charleston

Division of sanitary engineering:

*Ellis S. Tisdale, chief engineer, Charleston

*John B. Harrington, B.E., assistant engineer,
Charleston

*H. K. Gidley, assistant engineer, Charleston

*S. C. Rothman, assistant engineer, Charleston

Division of vital statistics:

*Carl F. Raver, M.D., M.P.H., director,
Charleston

Division of child hygiene:

*A. M. Price, M.D., acting director, Charleston

State advisory nurse:

*Mrs. Mary Keith Cauthorne, R.N., Charle-
ston

Division of preventable diseases:

*Arthur E. McClue, M.D., acting director,
Charleston

Bureau of venereal diseases:

*Mrs. Ada C. McDermott, associate director,
Charleston

Division of rural sanitation:

*A. M. Price, M.D., director, Charleston

Hygienic laboratory:

*Elizabeth I. Parsons, director, Charleston

*Margaret K. Riffe, technician, Charleston

*J. Roy Monroe, technician, Charleston

*Mark C. Harp, technician, Charleston

Bureau of public health education:

*Dorothea Campbell, director, Charleston

Appropriation for fiscal year ending June
30, 1934:

For general use.....	\$100, 000
Fees (if collected).....	7, 500
Salary of commissioner.....	3, 600

Total..... 111, 100

Other sources of revenue:

Expenses of cooperative rural-health work with
the Rockefeller Foundation

Publications issued:

Annual report

Quarterly bulletin

WISCONSIN

Board of health:

G. Windesheim, M.D., president, Kenosha

Joseph Dean, M.D., vice president, Madison

J. J. Seelman, M.D., Milwaukee

Mina B. Glasier, M.D., Bloomington

Stephen Cahana, M.D., Milwaukee

H. H. Ainsworth, M.D., Birchwood

C. A. Harper, M.D., State health officer,
Madison

WISCONSIN—Continued

Executive health officer:

*C. A. Harper, M.D., State health officer, Madison

Assistant State health officer:

*G. W. Henika, M.D., Madison

Deputy State health officers:

*W. J. Miller, M.D., Madison

*G. E. Hoyt, M.D., Milwaukee

*V. A. Guder, M.D., Oshkosh

*F. P. Daly, M.D., Chippewa Falls

*R. L. Frisbie, M.D., Rhinelander

Bureau of vital statistics:

*C. A. Harper, M.D., State registrar, Madison

*L. W. Hutchcroft, statistician, Madison

Bureau of communicable diseases:

*H. M. Guilford, M.D., director, Madison

Bureau of sanitary engineering:

*L. F. Warrick, State sanitary engineer, Madison

*O. J. Muegge, assistant sanitary engineer, Madison

*E. J. Beatty, assistant sanitary engineer, Madison

*J. M. Holderby, assistant sanitary engineer, Madison

*E. J. Tully, chemical engineer, Madison

Bureau of education:

*John Culnan, director, Madison

Bureau of child welfare:

*Charlotte Calvert, M.D., director, Madison

*Frances Cline, M.D., child-health physician, Madison

*Margaret Nelson, M.D., child-health physician, Madison

*Elizabeth Taylor, M.D., child-health physician

*Helen Thayer, organizer of infant hygiene courses, Madison

Bureau of public-health nursing:

*Cornelia Van Kooy, R.N., director, Madison

*Edith L. Olson, R.N., field advisory nurse, Madison

*Ada Newman, R.N., field advisory nurse, Madison

*Martha Jenny, R. N., field advisory nurse, Madison

Bureau of nursing education:

*Adda Eldredge, R.N., director, Madison

Bureau of plumbing and domestic sanitary engineering:

*Frank R. King, State domestic sanitary engineer, Madison

Bureau of social hygiene:

*H. M. Guilford, M.D., director, Madison

*Aimee Zillmer, lecturer, Madison

*D. M. Warner, lecturer, Madison

Laboratory service:

*W. D. Stovall, M.D., director, State laboratories, Madison

*M. E. Nichols, chemist, State laboratory, Madison

*Anna Brandsmark, director, branch laboratory, Rhinelander

WISCONSIN—Continued

Laboratory service—Continued.

*Mildred Englebert, director, cooperative laboratory, Beloit

*Marjorie Bates, director, cooperative laboratory, Oshkosh

*Henry Miller, director, cooperative laboratory, Kenosha

*Josephine Foote, director, cooperative laboratory, Wausau

*Martha Thompson, director, cooperative laboratory, Superior

*Clarissa McFetridge, director, cooperative laboratory, Green Bay

*Elizabeth Mathewson, director, cooperative laboratory, Sheboygan

Appropriations for each of fiscal years ending June 30, 1934 and 1935:

General administration..... \$135,000

Licensing:

Embalmers..... 5,000

Hotels and restaurants..... 27,000

Barbers..... 15,000

Plumbers..... 16,000

Beauty parlors..... 15,000

Nurses..... 16,000

(All monies received as license fees

revert directly to the State gen-

eral fund and the above amounts

are appropriated for the various

departments' use in each field.)

Bureau of child welfare and public

health nursing..... 43,350

Enforcement of medical practices act..... 2,500

Total..... 274,850

Publications issued by health department:

Quarterly bulletin

Biennial report

Other bulletins on communicable diseases

WYOMING

Board of health:

Earl Whedon, M.D., president, Sheridan

J. R. Nagle, M.D., vice president, Worland

W. H. Hasset, M.D., secretary and executive

officer, Cheyenne

B. V. McDermott, M.D., Hanna

Evald Olson, M. D., Meeteetse

W. H. Hasset, M.D., State health officer,

Cheyenne

Executive health officer:

*W. H. Hasset, M.D., State health officer,

Cheyenne

Appropriations for biennial period ending Mar. 31,

1935:

State board of health..... \$9,000

Salary of secretary..... 8,000

Maternal and infant welfare..... 6,000

Bureau of vital statistics..... 2,800

Total..... 24,800

DEATHS DURING WEEK ENDED DECEMBER 2, 1933

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Dec. 2, 1933	Correspond- ing week 1932
Data from 85 large cities of the United States:		
Total deaths.....	8,110	8,427
Deaths per 1,000 population, annual basis.....	11.4	12.0
Deaths under 1 year of age.....	558	627
Deaths under 1 year of age per 1,000 estimated live births (81 cities).....	47	51
Deaths per 1,000 population, annual basis, first 48 weeks of year.....	10.9	11.0
Data from industrial insurance companies:		
Policies in force.....	67,366,613	69,717,605
Number of death claims.....	11,301	13,247
Death claims per 1,000 policies in force, annual rate.....	8.7	9.9
Death claims per 1,000 policies, first 48 weeks of year, annual rate.....	9.7	9.5

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended December 9, 1933, and December 10, 1932

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Dec. 9, 1933, and Dec. 10, 1932

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
New England States:								
Maine.....	4	2	6	-----	1	2	0	0
New Hampshire.....	4	-----	-----	-----	104	-----	0	0
Vermont.....	1	2	-----	-----	113	1	0	0
Massachusetts.....	33	36	-----	8	556	132	1	1
Rhode Island.....	-----	-----	-----	-----	8	-----	0	0
Connecticut.....	5	11	10	7	10	23	0	0
Middle Atlantic States:								
New York.....	51	70	122	130	537	515	10	5
New Jersey.....	19	36	22	20	48	169	4	5
Pennsylvania.....	56	92	-----	-----	249	250	1	3
East North Central States:								
Ohio.....	87	56	5	256	85	234	0	2
Indiana.....	98	77	27	440	31	17	2	4
Illinois.....	58	66	19	119	33	87	7	7
Michigan.....	15	32	9	21	50	344	2	0
Wisconsin.....	19	16	40	65	135	215	4	1
West North Central States:								
Minnesota.....	6	16	-----	3	39	168	0	0
Iowa.....	11	14	1	-----	2	-----	0	0
Missouri.....	83	48	9	123	92	31	1	0
North Dakota.....	6	8	-----	-----	28	78	0	0
South Dakota.....	38	18	-----	1	298	4	0	1
Nebraska.....	4	7	-----	6	13	1	2	0
Kansas.....	38	29	4	37	45	4	3	1
South Atlantic States:								
Delaware.....	-----	4	3	6	-----	1	1	0
Maryland.....	27	17	32	57	8	8	0	0
District of Columbia.....	10	10	2	13	31	2	0	0
Virginia.....	81	47	-----	-----	45	187	3	0
West Virginia.....	64	41	65	24	7	116	4	1
North Carolina.....	86	48	16	68	470	96	2	2
South Carolina.....	28	13	569	1,092	91	9	0	0
Georgia.....	26	23	-----	2,079	375	11	0	0
Florida.....	9	20	2	22	-----	1	0	0
East South Central States:								
Kentucky.....	72	48	-----	683	5	-----	3	1
Tennessee.....	51	46	47	1,881	153	-----	2	1
Alabama.....	40	52	95	6,687	54	-----	0	2
Mississippi.....	16	23	-----	-----	-----	-----	0	2
West South Central States:								
Arkansas.....	26	20	32	1,090	116	1	0	0
Louisiana.....	24	26	22	7,149	10	1	0	0
Oklahoma.....	63	44	48	469	63	3	3	0
Texas.....	250	207	197	530	70	59	0	0

See footnotes at end of table.

*Cases of certain communicable diseases reported by telegraph by State health officers
for weeks ended Dec. 9, 1933, and Dec. 10, 1932—Continued*

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
Mountain States:								
Montana ¹	3	-----	16	371	2	216	1	0
Idaho.....	1	3	-----	4	20	-----	0	1
Wyoming.....	-----	-----	-----	30	14	11	0	0
Colorado.....	12	7	37	463	5	9	0	0
New Mexico.....	4	12	-----	11	61	-----	0	0
Arizona.....	4	7	6	238	6	-----	0	0
Utah ¹	-----	3	3	14	233	5	0	1
Pacific States:								
Washington.....	5	2	5	5	111	3	5	1
Oregon.....	9	-----	16	457	21	51	0	2
California.....	42	67	44	1,565	167	42	1	1
Total.....	1,589	1,426	1,431	26,144	4,615	3,157	62	45

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
New England States:								
Maine.....	0	0	9	29	0	0	0	13
New Hampshire.....	0	0	5	22	0	0	2	2
Vermont.....	0	0	4	11	0	0	0	0
Massachusetts.....	3	1	183	378	0	0	6	3
Rhode Island.....	0	0	18	43	0	0	0	1
Connecticut.....	1	0	76	90	0	0	0	1
Middle Atlantic States:								
New York.....	8	6	484	623	0	3	11	14
New Jersey.....	2	2	136	229	0	0	4	6
Pennsylvania.....	4	3	459	601	0	0	11	17
East North Central States:								
Ohio.....	0	2	623	406	0	16	11	14
Indiana.....	1	0	190	116	5	9	2	2
Illinois.....	0	3	409	434	2	4	16	20
Michigan.....	1	1	335	300	4	2	7	6
Wisconsin.....	1	0	119	104	37	3	1	1
West North Central States:								
Minnesota.....	0	0	58	68	0	1	5	2
Iowa ¹	2	0	100	32	8	26	4	1
Missouri.....	6	0	159	94	1	0	4	2
North Dakota.....	0	0	48	21	0	4	6	1
South Dakota.....	0	1	30	13	1	3	0	2
Nebraska.....	0	0	70	20	2	1	5	0
Kansas.....	0	0	123	84	1	1	1	1
South Atlantic States:								
Delaware.....	0	0	15	10	0	0	1	2
Maryland ^{1,2}	0	1	106	130	0	0	11	11
District of Columbia.....	0	0	17	26	0	0	2	0
Virginia.....	0	0	154	100	0	0	15	15
West Virginia.....	0	0	150	65	1	2	13	15
North Carolina ¹	0	1	137	102	0	0	8	10
South Carolina ¹	2	0	12	10	0	0	9	3
Georgia ¹	0	0	17	18	0	0	9	12
Florida ¹	1	1	3	14	0	0	0	2
East South Central States:								
Kentucky.....	0	1	99	44	0	0	13	6
Tennessee.....	0	0	91	62	4	0	12	8
Alabama ¹	0	2	35	48	0	0	3	8
Mississippi ¹	0	0	33	26	1	2	3	4
West South Central States:								
Arkansas.....	0	0	42	19	3	4	1	3
Louisiana.....	1	1	30	12	1	5	24	17
Oklahoma ¹	0	1	41	45	1	0	17	7
Texas ¹	0	0	150	170	6	6	42	14

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Dec. 9, 1933, and Dec. 10, 1932—Continued

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
Mountain States:								
Montana ¹	0	0	21	18	0	2	2	2
Idaho.....	0	0	11	10	0	4	1	1
Wyoming.....	0	1	2	2	0	0	0	1
Colorado.....	0	0	17	25	7	2	2	0
New Mexico.....	0	0	32	16	0	0	9	2
Arizona.....	0	0	11	53	0	0	5	0
Utah ²	0	1	14	23	0	0	2	0
Pacific States:								
Washington.....	3	2	41	28	6	2	10	9
Oregon.....	0	0	41	17	3	5	2	1
California.....	7	2	221	130	13	16	36	6
Total.....	37	33	5, 181	4, 941	107	123	348	268

¹ New York City only.

² Week ended earlier than Saturday.

³ Rocky Mountain spotted fever, week ended Dec. 9, 1933, 2 cases, as follows: Maryland, 1; Montana, 1.

⁴ Typhus fever, week ended Dec. 9, 1933, 35 cases, as follows: North Carolina, 12; South Carolina, 1; Georgia, 12; Florida, 1; Alabama, 5; Texas, 4.

⁵ Exclusive of Oklahoma City and Tulsa.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week.

State	Menin- gococ- cus menin- gitis	Diph- theria	Influ- enza	Ma- laria	Mea- sles	Pel- lagra	Polio- myelitis	Scarlet fever	Small- pox	Ty- phoid fever
October 1933										
Florida.....		40	4	185	5	2	0	8	0	16
November 1933										
Arkansas.....		145	102	244	551	27	4	117	3	18
Connecticut.....	5	41	26		37		3	268	0	5
Delaware.....	2	6			5		0	24	0	14
Missouri.....	5	363	30	4	96		2	588	15	18
North Dakota.....		56	4		77		2	151	0	3
Wyoming.....		4			45		0	37	0	2

October 1933		November 1933—Con.		November 1933—Con.	
Florida:	Cases	German measles:	Cases	Scabies:	Cases
Chicken pox.....	6	Connecticut.....	2	Arkansas.....	7
Dengue.....	1	Wyoming.....	44	Septic sore throat:	
Dysentery.....	1	Impetigo contagiosa:		Connecticut.....	2
Mumps.....	14	Wyoming.....	1	Missouri.....	33
Typhus fever.....	7	Lead poisoning:		Wyoming.....	3
Whooping cough.....	8	Connecticut.....	1	Tetanus:	
		Lethargic encephalitis:		Connecticut.....	3
		Connecticut.....	1	Trachoma:	
		Missouri.....	36	Arkansas.....	2
		Mumps:		Tularaemia:	
November 1933		Arkansas.....	23	Arkansas.....	1
Chicken pox:		Connecticut.....	186	Missouri.....	3
Arkansas.....	50	Missouri.....	67	Undulant fever:	
Connecticut.....	440	North Dakota.....	3	Connecticut.....	5
Delaware.....	53	Wyoming.....	8	Delaware.....	2
Missouri.....	209	Paratyphoid fever:		Missouri.....	2
North Dakota.....	225	North Dakota.....	1	North Dakota.....	1
Wyoming.....	70	Psittacosis:		Whooping cough:	
Dysentery:		Connecticut.....	1	Arkansas.....	21
Connecticut (amoebic).....	4	Rabies in animals:		Connecticut.....	203
Connecticut (bacillary).....	1	Connecticut.....	8	Delaware.....	39
Missouri.....	12	Missouri.....	8	Missouri.....	126
North Dakota (amoebic).....	4			North Dakota.....	54
				Wyoming.....	12

WEEKLY REPORTS FROM CITIES

City reports for week ended Dec. 2, 1933

State and city	Diph- theria cases	Influenza		Meas- les cases	Pneu- monia deaths	Scar- let fever cases	Small- pox cases	Tuber- culosis deaths	Ty- phoid fever cases	Whoop- ing cough cases	Deaths, all causes
		Cases	Deaths								
Maine:											
Portland.....	0		0	0	3	0	0	0	0	0	20
New Hampshire:											
Concord.....	0		0	0	0	0	0	0	0	0	17
Nashua.....	0		0	1	0	4	0	0	0	0	0
Vermont:											
Barre.....	1		0	44	0	2	0	0	0	5	0
Burlington.....	3		0	0	0	0	0	0	0	1	4
Massachusetts:											
Boston.....	7		0	127	30	43	0	11	0	57	234
Fall River.....	0		0	0	3	2	0	6	0	2	34
Springfield.....	0		0	0	2	1	0	2	0	11	35
Worcester.....	1		0	223	4	4	0	2	0	6	45
Rhode Island:											
Pawtucket.....	2		0	0	0	2	0	0	0	0	22
Providence.....	1		1	0	8	6	0	2	1	29	62
Connecticut:											
Bridgeport.....	0		0	0	3	5	0	1	0	5	37
Hartford.....	1	1	0	0	1	15	0	1	0	4	43
New Haven.....	0	1	0	0	0	1	0	0	0	2	37
New York:											
Buffalo.....	1		3	48	20	24	0	6	0	11	152
New York.....	44	30	11	28	152	112	0	79	2	90	1,462
Rochester.....	0		0	2	8	11	0	0	0	15	65
Syracuse.....	0		0	0	4	3	0	1	0	36	43
New Jersey:											
Camden.....	1	2	1	0	6	5	0	1	1	1	42
Newark.....	0	2	1	0	22	9	0	5	0	14	106
Trenton.....	1		0	0	3	9	0	2	0	2	83
Pennsylvania:											
Philadelphia.....	5	20	11	122	54	59	0	27	1	37	517
Pittsburgh.....	8	6	4	0	20	28	0	6	0	22	166
Reading.....	0		0	9	5	3	0	1	0	10	34
Scranton.....	0		0	0	1	4	0	0	0	0	0
Ohio:											
Cincinnati.....	8		0	74	7	19	0	6	0	14	134
Cleveland.....	7	42	2	4	15	60	0	7	0	70	180
Columbus.....	1		0	0	3	34	0	4	0	0	91
Toledo.....	2		0	2	2	34	0	4	0	9	52
Indiana:											
Fort Wayne.....	9		0	0	0	7	0	0	0	0	27
Indianapolis.....	11		1	0	17	15	0	3	3	4	
South Bend.....	1		1	3	0	8	0	0	4	0	23
Terre Haute.....	2		0	9	3	1	0	1	0	0	13
Illinois:											
Chicago.....	0	8	4	4	56	155	0	35	2	70	697
Springfield.....	0		0	3	3	6	0	0	0	3	20
Michigan:											
Detroit.....	13	9	2	1	22	62	0	15	1	59	236
Flint.....	1		0	1	1	25	0	2	0	2	21
Grand Rapids.....	1		0	1	3	4	0	1	0	0	34
Wisconsin:											
Kenosha.....	0		0	1	0	15	0	0	0	4	7
Madison.....	0			0		2	0	1	0	22	24
Milwaukee.....	0	3	3	5	8	19	0	3	1	73	95
Racine.....	0		0	0	0	8	0	0	0	5	8
Superior.....	0		0	1	0	1	0	0	0	0	7
Minnesota:											
Duluth.....	0		0	0	0	3	0	0	0	4	23
Minneapolis.....	7		0	1	3	14	0	1	0	8	76
St. Paul.....	1		0	0	8	9	0	0	0	3	78
Iowa:											
Des Moines.....	3			0		12	3		0	1	26
Sioux City.....	2			0		7	0		0	1	
Waterloo.....	0		0	1		0	0		0	0	
Missouri:											
Kansas City.....	8	1	1	1	9	23	0	6	0	5	86
St. Joseph.....	6		0	1	5	1	0	2	0	0	43
St. Louis.....	15			29	17	31	0	10	5	25	215
North Dakota:											
Fargo.....	0		0	1	0	1	0	0	0	1	0
Grand Forks.....	0		0	1	0	0	0	0	0	3	0

City reports for week ended Dec. 2, 1933—Continued

State and city	Diph- theria cases	Influenza		Meas- les cases	Pneu- monia deaths	Scar- let fever cases	Small- pox cases	Tuber- culosis deaths	Ty- phoid fever cases	Whoop- ing cough cases	Deaths, all causes
		Cases	Deaths								
South Dakota:											
Aberdeen.....	0		0	0	0	0	0	0	0	0	0
Sioux Falls.....	0		0	50	0	0	0	0	0	0	7
Nebraska:											
Omaha.....	0		0	5	5	7	1	0	0	1	44
Kansas:											
Topeka.....	0		0	0	3	7	0	0	1	4	22
Wichita.....	0		0	0	2	6	0	0	0	0	28
Delaware:											
Wilmington.....	0		0	1	4	0	0	0	1	2	30
Maryland:											
Baltimore.....	5	11	1	0	23	30	0	11	1	55	217
Cumberland.....	1		0	0	1	3	0	0	0	2	12
Frederick.....	0		0	0	0	3	0	0	0	0	1
District of Colum- bia:											
Washington.....	17	1	1	18	14	12	0	10	1	20	164
Virginia:											
Lynchburg.....	0		0	0	0	5	0	1	1	1	6
Richmond.....	1		0	0	3	12	0	1	0	1	50
Roanoke.....	9		0	0	2	7	0	0	0	0	15
West Virginia:											
Charleston.....	6	1	0	0	3	4	0	0	0	0	21
Huntington.....	4		0	0	0	10	0	0	0	0	0
Wheeling.....	1		0	1	3	6	0	0	0	2	21
North Carolina:											
Raleigh.....	1		0	0	3	1	0	0	1	2	12
Wilmington.....											
Winston-Salem.....	13		0	138	2	12	0	1	0	0	18
South Carolina:											
Charleston.....	0	42	0	0	9	0	0	1	0	2	26
Columbia.....	0		0	0	1	0	0	0	0	0	10
Greenville.....	0		0	0	1	1	0	0	0	0	16
Georgia:											
Atlanta.....	5	14	2	1	6	5	0	2	0	3	76
Brunswick.....	0		0	1	0	0	0	0	0	0	3
Savannah.....	0	19	1	0	6	3	0	0	1	0	36
Florida:											
Miami.....	0		0	0	0	0	0	1	0	4	16
Tampa.....	2		0	0	0	2	0	2	0	1	24
Kentucky:											
Ashland.....	1			0		1	0		2	3	
Lexington.....	1		0	0	1	1	0		1	0	12
Louisville.....	15		0	1	6	9	0	1	0	2	74
Tennessee:											
Memphis.....	9		0	2	11	19	0	3	1	1	89
Nashville.....	0		1	3	4	6	0	2	0	2	49
Alabama:											
Birmingham.....	11	2	1	1	9	10	0	4	1	1	93
Mobile.....	2		0	0	5	0	0	0	0	0	33
Montgomery.....	2			0		3	0		1	0	
Arkansas:											
Fort Smith.....	2			0		2	0		0	3	
Little Rock.....	1		0	5	1	0	0	0	0	0	1
Louisiana:											
New Orleans.....	8	2	5	3	13	6	0	8	2	0	152
Shreveport.....	5		0	0	3	2	0	0	0	0	33
Texas:											
Dallas.....	26	1	1	0	5	5	0	3	1	0	71
Fort Worth.....	8		0	0	2	7	0	1	1	2	37
Galveston.....	3		0	0	1	2	0	1	0	0	18
Houston.....	16		2	0	6	7	0	6	0	0	82
San Antonio.....	7		1	0	4	6	0	6	0	5	64
Montana:											
Billings.....	0		0	0	0	1	0	0	0	0	4
Great Falls.....	0		0	0	0	0	0	0	0	1	8
Helena.....	0		0	0	0	2	0	0	0	0	1
Missoula.....	0		0	0	1	0	0	0	0	0	10
Idaho:											
Boise.....	0		0	1	0	0	0	0	0	1	5
Colorado:											
Denver.....	2	37	1	1	7	19	0	2	1	24	66
Pueblo.....	0		0	0	1	0	0	0	0	5	5

¹ Imported.

City reports for week ended Dec. 2, 1933—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
New Mexico:											
Albuquerque.....	1	-----	0	0	4	2	0	2	0	2	12
Utah:											
Salt Lake City.....	0	-----	0	73	2	9	0	2	0	9	35
Nevada:											
Reno.....	0	-----	0	0	0	0	0	0	0	0	0
Washington:											
Seattle.....	0	-----	-----	2	4	2	0	9	1	35	71
Spokane.....	0	-----	-----	76	4	3	0	-----	0	0	30
Tacoma.....	0	-----	0	0	3	3	0	2	1	15	31
Oregon:											
Portland.....	0	-----	0	0	5	17	3	2	0	0	69
Salem.....	0	-----	0	0	0	1	0	0	0	0	0
California:											
Los Angeles.....	16	38	0	7	15	58	2	12	5	49	239
Sacramento.....	0	-----	0	4	3	3	0	1	1	0	25
San Francisco.....	4	-----	2	0	8	5	0	9	0	15	157

State and city	Meningococcus meningitis		Polio-myelitis cases	State and city	Meningococcus meningitis		Polio-myelitis cases
	Cases	Deaths			Cases	Deaths	
Massachusetts:				Kansas:			
Fall River.....	0	0	1	Topeka.....	0	1	0
Worcester.....	0	0	1	Maryland:			
Connecticut:				Baltimore.....	0	0	2
Hartford.....	1	0	0	Cumberland.....	0	1	0
New York:				Georgia:			
New York.....	2	3	0	Atlanta.....	1	0	0
Pennsylvania:				Tennessee:			
Pittsburgh.....	2	0	0	Nashville.....	1	1	0
Indiana:				Texas:			
Indianapolis.....	1	1	0	Galveston.....	1	0	0
Illinois:				Houston.....	0	0	1
Chicago.....	5	0	0	Montana:			
Wisconsin:				Missoula.....	0	0	1
Madison.....	0	0	1	Colorado:			
Milwaukee.....	1	0	0	Denver.....	0	0	1
Minnesota:				Utah:			
St. Paul.....	0	0	2	Salt Lake City.....	0	0	1
Missouri:				California:			
St. Joseph.....	0	1	0	Los Angeles.....	1	0	2
St. Louis.....	2	1	0	San Francisco.....	1	0	0

Lethargic encephalitis.—Cases: New York, 2; Cincinnati, 1; Cleveland, 2; Detroit, 1; Grand Rapids, Mich., 1; St. Louis, 3; Richmond, Va., 1; Birmingham, 2; Dallas, Tex., 1; Portland, Oreg., 1.
Pellagra.—Cases: Washington, D.C. 1; Savannah, 1; Memphis, 1; Dallas, Tex., 1.
Typhus fever.—Cases: Providence, R.I., 2 (imported); Atlanta, 2; Houston, Tex., 1.

FOREIGN AND INSULAR

CANADA

Quebec Province—Communicable diseases—Two weeks ended December 2, 1933.—The Bureau of Health of the Province of Quebec, Canada, reports cases of certain communicable diseases for the 2 weeks ended December 2, 1933, as follows:

Disease	Cases	Disease	Cases
Chicken pox.....	423	Poliomyelitis.....	1
Cerebrospinal meningitis.....	1	Puerperal septicemia.....	3
Diphtheria.....	56	Scarlet fever.....	163
Dysentery.....	1	Smallpox.....	1
Erysipelas.....	9	Trachoma.....	1
German measles.....	5	Tuberculosis.....	129
Influenza.....	13	Typhoid fever.....	53
Measles.....	107	Whooping cough.....	259

CHINA

Manchuria—Plague.—According to information dated October 25, 1933, plague had been present in certain parts of Manchuria, principally in the region between the Ssuningkai-Taonan Railway and the southern line of the Chinese Eastern Railway, as well as in places adjacent to the lines of the Ssuningkai-Taonan, Ssuningkai-Tungliao, and Tahushan-Tungliao Railways, since the month of August 1933. On September 18 it was reported that 200 persons had died in 23 Chinese villages near Nungan from a disease later proved by bacteriological examination to be bubonic and pneumonic plague. At that time cases were also reported from the regions of Tungliao, Kaitung, Chienan, and Angkuan.

Control measures had been instituted along the railway lines mentioned, as well as along the lines of the South Manchurian Railway, rodent destruction being carried on, cars disinfected, and passenger and commercial traffic prohibited at certain stations. Sanitary detachments had been dispatched to the infected regions of Tungliao, Kaitung, Changwu, Huaiteh, Chienchiatien, and Nungan.

It was reported on October 12 that the epidemic, which had been abating for some time, was again rampant south of Hungsing Station on the Ssuningkai-Taonan Railway, and in the region of Kaitung. No cases of plague had occurred in the zone of the Chinese Eastern Railway.

GREAT BRITAIN

Scotland—Vital statistics—Quarter ended September 30, 1933.—The Registrar General of Scotland has published the following vital statistics for the third quarter, ended September 30, 1933:

Population, estimated.....	4, 916, 000	Deaths from—Continued.....	
Births.....	21, 136	Lethargic encephalitis.....	20
Birth rate per 1,000 population.....	17. 1	Malaria.....	2
Deaths.....	13, 094	Measles.....	4
Deaths per 1,000 population.....	10. 6	Nephritis, acute.....	47
Deaths under 1 year.....	1, 343	Nephritis, chronic.....	239
Deaths under 1 year per 1,000 births.....	64	Nephritis, unspecified.....	86
Marriages.....	10, 252	Paratyphoid fever.....	8
Deaths from:		Pneumonia, lobar.....	202
Bronchitis.....	330	Pneumonia, unspecified.....	125
Broncho-pneumonia.....	307	Poliomylitis.....	10
Cancer.....	1, 865	Puerperal sepsis.....	40
Cerebrospinal fever.....	36	Scarlet fever.....	51
Diabetes.....	145	Syphilis.....	18
Diphtheria.....	74	Tetanus.....	11
Dysentery.....	3	Tuberculosis.....	822
Erysipelas.....	28	Typhoid fever.....	5
Heart disease.....	2, 110	Whooping cough.....	99
Influenza.....	39		

PUERTO RICO

Notifiable diseases—4 weeks ended December 2, 1933.—During the 4 weeks ended December 2, 1933, cases of certain notifiable diseases were reported in the municipalities of Puerto Rico, as follows:

Disease	Cases	Disease	Cases
Chicken pox.....	18	Paratyphoid fever.....	4
Conjunctivitis.....	1	Pellagra.....	2
Diphtheria.....	69	Puerperal fever.....	3
Dysentery.....	119	Ringworm.....	5
Erysipelas.....	2	Syphilis.....	29
Filariasis.....	7	Tetanus.....	5
Framboesia.....	4	Tetanus, infantile.....	2
Influenza.....	218	Trachoma.....	69
Malaria.....	17, 670	Tuberculosis.....	466
Measles.....	92	Typhoid fever.....	13
Mumps.....	41	Whooping cough.....	194
Ophthalmia neonatorum.....	7		

¹ Includes results from a special survey.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

(NOTE.—A table giving current information of the world prevalence of quarantinable diseases appeared in the PUBLIC HEALTH REPORTS for Nov. 24, 1933, pp. 1431-1442. A similar cumulative table will appear in the PUBLIC HEALTH REPORTS to be issued Dec. 29, 1933, and thereafter, at least for the time being, in the issue published on the last Friday of each month.)

Cholera

Philippine Islands.—During the week ended December 9, 1933, cholera was reported in the Philippine Islands as follows: Bohol Province—Calape, 2 cases, 1 death; Clarin, 4 cases, 2 deaths; Inabanga, 7 cases, 4 deaths; Tubigon, 10 cases, 9 deaths. Cebu Province—Argao, 5 cases, 6 deaths; Bantayan, 1 case, 1 death; Campostela, 2 cases, 2 deaths; Liloan, 1 case; Toledo, 1 case. Occidental Negros Province—San Carlos, 2 cases, 2 deaths. Oriental Negros Province—Tanjay, 1 case, 1 death.

Plague

Hawaii Territory—Hawaii Island.—On December 1, 1933, 1 plague-infected rat was reported in Kalopa Homesteads, Hamakua District, Island of Hawaii.

Yellow Fever

Gold Coast—Oriental Province.—On November 29, 1933, 1 case of yellow fever was reported in Oriental Province, Gold Coast.

Senegal.—Yellow fever has been reported in Senegal as follows: Kaolak Circle, 2 cases, 1 death, December 1, 1933. Sebikotane, 1 case, 1 death, December 3, 1933.